







## **Amylase Monoclonal Antibody**

Isotype   IgG		
Reactivity Human;Mouse;Rat  Applications WB  Gene Name AMY1A/AMY1B/AMY1C/AMY2A/AMY2B  Protein Name Alpha-amylase 1/Pancreatic alpha-amylase/Alpha-amylase 2B  Immunogen The antiserum was produced against synthesized peptide derived from the N-terminal region of human AMY1/2. AA range:61-110  Specificity Amylase Monoclonal Antibody detects endogenous levels of Amylase protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse,IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band 60kD  Cell Pathway extracellular space, extracellular exosome,  Tissue Specificity Glandular pool- thyroid, Saliva, Thyroid,  Function catalytic activity-Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor-Binds 1 calcium ion per subunit, cofactor-Binds 1 calcium ion per subunit, cofactor-Binds 2 chioride ion per subunit, cofactor-Binds 3 chioride ion per subunit, cofactor-Binds 5 chioride ion per subunit, cofactor-Binds 5 chioride ion per subunit, cofactor-Binds 6 in digosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivay either in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivay either in digestion of dietary starch and glycogen. The human genome has a cluster of several and several and	Catalog No	YP-mAb-02858
Applications  WB  Gene Name  AMY1A/AMY1B/AMY1C/AMY2A/AMY2B  Protein Name  Alpha-amylase 1/Pancreatic alpha-amylase/Alpha-amylase 2B  Immunogen  The antiserum was produced against synthesized peptide derived from the N-terminal region of human AMY1/2. AA range:61-110  Specificity  Amylase Monoclonal Antibody detects endogenous levels of Amylase protein.  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Monoclonal, Mouse, IgG  Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dillution  WB 1:500-1:2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band  60kD  Cell Pathway  extracellular space, extracellular exosome,  Tissue Specificity  Glandular pool- thyroid, Saliva, Thyroid,  catalytic activity-Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor-Binds 1 calcium ion per subunit, coffactor linds 1 calcium ion per subunit, coffactor linds 1 calcium ion per subunit, coffactor linds 1 calcium in formation-Amylase entry, similarity; Belongs to the glycosy) hydrolase 13 family, subunitionomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside binds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Isotype	IgG
Gene Name         AMY1A/AMY1B/AMY1C/AMY2A/AMY2B           Protein Name         Alpha-amylase 1/Pancreatic alpha-amylase/Alpha-amylase 2B           Immunogen         The antiserum was produced against synthesized peptide derived from the N-terminal region of human AMY1/2. AA range:61-110           Specificity         Amylase Monoclonal Antibody detects endogenous levels of Amylase protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-1:2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase           Observed Band         60kD           Cell Pathway         extracellular space,extracellular exosome,           Tissue Specificity         Glandular pool- thyroid,Saliva,Thyroid,           Catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, action per subunit, collacin inoper subunit, colactor:Binds 1 calcium ion per subunit, c	Reactivity	Human;Mouse;Rat
Protein Name   Alpha-amylase 1/Pancreatic alpha-amylase/Alpha-amylase 2B	Applications	WB
Immunogen         The antiserum was produced against synthesized peptide derived from the N-terminal region of human AMY1/2. AA range:61-110           Specificity         Amylase Monoclonal Antibody detects endogenous levels of Amylase protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-1:2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase; AMY2A; Pancreatic alpha-amylase; PA; 1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase           Observed Band         60kD           Cell Pathway         extracellular space, extracellular exosome,           Tissue Specificity         Glandular pool- thyroid, Saliva, Thyroid,           Function         catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor:Binds 1 calcium ion per subunit, cofactor:Binds 1 chloride ion per subunit, conline information:Amylase entry, similarity; Belongs to the glycosyl hydrolase 13 family, subunit:Monomer., Amylases are secreted proteins that hydrolyz	Gene Name	AMY1A/AMY1B/AMY1C/AMY2A/AMY2B
N-terminal region of human AMY1/2. AA range:61-110  Specificity Amylase Monoclonal Antibody detects endogenous levels of Amylase protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band 60kD  Cell Pathway extracellular space, extracellular exosome,  Tissue Specificity Glandular pool- thyroid, Saliva, Thyroid,  Function catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor:Binds 1 calcium ion per subunit, cofactor:Binds 1 chloride ion per subunit, comilie information:Amylase entry, similarity:Belongs to the glycosyl hydrolase 13 family, subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in eithe salivary gland or	Protein Name	Alpha-amylase 1/Pancreatic alpha-amylase/Alpha-amylase 2B
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-1:2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band 60kD  Cell Pathway extracellular space, extracellular exosome,  Tissue Specificity Glandular pool- thyroid, Saliva, Thyroid,  Function catalytic activity: Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor: Binds 1 calcium ion per subunit, cofactor: Binds 1 chloride ion per subunit, online information: Amylase entry, similarity: Belongs to the glycosyl hydrolase 13 family, subunit: Monomer, Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Immunogen	
Source   Monoclonal, Mouse, IgG	Specificity	Amylase Monoclonal Antibody detects endogenous levels of Amylase protein.
Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-1:2000  Concentration  1 mg/ml  ≥90%  Storage Stability  -20°C/1 year  Synonyms  AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band  60kD  Cell Pathway  extracellular space,extracellular exosome,  Tissue Specificity  Glandular pool- thyroid,Saliva,Thyroid,  Function  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit.,online information:Amylase entry, similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-1:2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band  Cell Pathway  extracellular space,extracellular exosome,  Tissue Specificity  Glandular pool- thyroid,Saliva,Thyroid,  Function  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Source	Monoclonal, Mouse,lgG
Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms AMY1A; AMY1B; AMY1B; AMY1C; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band 60kD  Cell Pathway extracellular space,extracellular exosome,  Tissue Specificity Glandular pool- thyroid,Saliva,Thyroid,  Function catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit. online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Purification	
Purity ≥90%  Storage Stability -20°C/1 year  Synonyms AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band 60kD  Cell Pathway extracellular space,extracellular exosome,  Tissue Specificity Glandular pool- thyroid,Saliva,Thyroid,  Function catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor:Binds 1 calcium ion per subunit, cofactor:Binds 1 chloride ion per subunit, online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Dilution	WB 1:500-1:2000
Storage Stability  -20°C/1 year  AMY1A; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band  60kD  Cell Pathway  extracellular space,extracellular exosome,  Tissue Specificity  Glandular pool- thyroid,Saliva,Thyroid,  Function  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor:Binds 1 calcium ion per subunit, conline information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Concentration	1 mg/ml
Synonyms  AMY1A; AMY1; AMY1B; AMY1; AMY1C; AMY1; Alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band  Cell Pathway  extracellular space,extracellular exosome,  Glandular pool- thyroid,Saliva,Thyroid,  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides, cofactor:Binds 1 calcium ion per subunit, cofactor:Binds 1 chloride ion per subunit, online information:Amylase entry, similarity:Belongs to the glycosyl hydrolase 13 family., subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Purity	≥90%
1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase  Observed Band  Gell Pathway  Extracellular space,extracellular exosome,  Glandular pool- thyroid,Saliva,Thyroid,  Function  Catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit.,online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Storage Stability	-20°C/1 year
Cell Pathway  extracellular space,extracellular exosome,  Glandular pool- thyroid,Saliva,Thyroid,  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit.,online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Synonyms	1,4-alpha-D-glucan glucanohydrolase 1; Salivary alpha-amylase; AMY2A; Pancreatic alpha-amylase; PA;1,4-alpha-D-glucan glucanohydrolase; AMY2B; Alpha-amylase 2B; 1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid
Tissue Specificity  Glandular pool- thyroid,Saliva,Thyroid,  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit.,online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Observed Band	60kD
Function  catalytic activity:Endohydrolysis of (1->4)-alpha-D-glucosidic linkages in oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit.,online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Cell Pathway	extracellular space,extracellular exosome,
oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 chloride ion per subunit.,online information:Amylase entry,similarity:Belongs to the glycosyl hydrolase 13 family.,subunit:Monomer.,  Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestior of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Tissue Specificity	Glandular pool- thyroid,Saliva,Thyroid,
oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or	Function	oligosaccharides and polysaccharides.,cofactor:Binds 1 calcium ion per
	Background	oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or



## UpingBio technology Co.,Ltd





gland. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008],

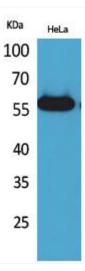
matters	needing		
attention			

Avoid repeated freezing and thawing!

## **Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.





Western Blot analysis of various cells using Amylase Monoclonal Antibody