# Amylase Monoclonal Antibody

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| **Catalog No** | YP-mAb-02858 |
| **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; 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., |
| **Background** | 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 pancreas. This gene encodes an amylase isoenzyme produced by the salivary |

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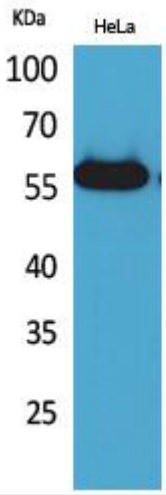
| | gland. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images




Western Blot analysis of various cells using Amylase Monoclonal Antibody