PAPP2 Monoclonal Antibody

Catalog No	YP-mAb-06917
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PAPPA2 PLAC3
Protein Name	Pappalysin-2 (EC 3.4.24.-) (Pregnancy-associated plasma protein A2) (PAPP-A2) (Pregnancy-associated plasma protein E1) (PAPP-E)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PAPP2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	
Observed Band	197kD
Cell Pathway	Secreted .
Tissue Specificity	Expressed abundantly in placenta, and non-pregnant mammary gland with low expression in the kidney, fetal brain and pancreas.
Function	catalytic activity:Cleavage of the 143-Ser-|-Lys-144 bond in insulin-like growth factor binding protein (IGFBP)-5.,cofactor:Binds 1 zinc ion per subunit.,function:Metalloproteinase which specifically cleaves IGFBP-5. Shows limited proteolysis toward IGFBP-3.,similarity:Belongs to the peptidase M43B family.,similarity:Contains 5 Sushi (CCP/SCR) domains.,subunit:Monomer.,tissue specificity:Expressed abundantly in placenta, and non-pregnant mammary gland with low expression in the kidney, fetal brain and pancreas.,
Background	This gene encodes a member of the pappalysin family of metzincin metalloproteinases. The encoded protein cleaves insulin-like growth factor-binding protein 5 and is thought to be a local regulator of insulin-like growth factor (IGF) bioavailability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010],

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