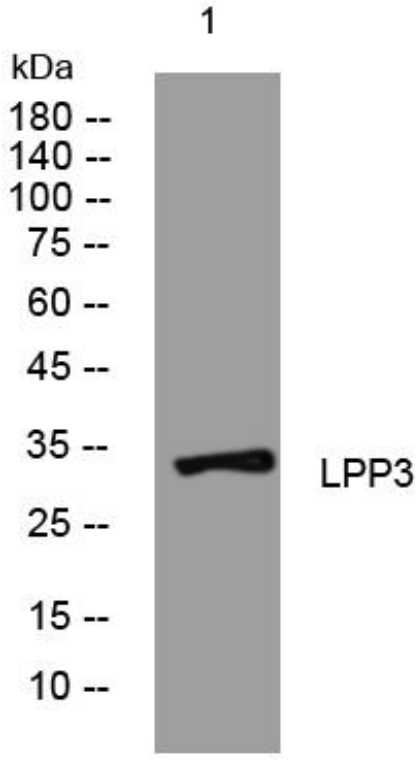
LPP3 mouse mAb

Catalog No	BYmab-08278
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	PPAP2B LPP3
Protein Name	LPP3
Immunogen	Synthesized peptide derived from human LPP3 AA range: 205-255
Specificity	This antibody detects endogenous levels of LPP3 at Human/Mouse/Rat
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Endoplasmic reticulum-Golgi intermediate compartment membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Golgi apparatus, trans-Golgi network membrane ; Multi-pass membrane protein . Membrane raft ; Multi-pass membrane protein . Cycles between the endoplasmic reticulum and the Golgi. .
Tissue Specificity	Ubiquitously expressed (PubMed:9305923, PubMed:12660161). Highly expressed in heart and placenta (PubMed:9305923).
Function	catalytic activity:A 3-sn-phosphatidate + H(2)O = a 1,2-diacyl-sn-glycerol + phosphate.,enzyme regulation:Inhibited by sphingosine, zinc ions and propanolol. Not inhibited by N-ethylmaleimide treatment.,function:Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). In addition it hydrolyzes lysophosphatidic acid (LPA), ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P). The relative catalytic efficiency is LPA = PA >

	C-1-P > S-1-P. May be involved in cell adhesion and in cell-cell interactions.,induction:By epidermal growth factor (EGF), vascular endothelial growrh factor (VEGF), basic fibroblast growth factor (bFGF) and phorbol myristate acetate (PMA).,PTM:N-glycosylated. Contains high-mannose oligosaccharides.,similarity:Belongs to the PA-phosphatase related phosphoesterase family.,subunit:Homodimer. This complex seems not to be involved in substrate
Background	The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is a membrane glycoprotein localized at the cell plasma membrane. It has been shown to actively hydrolyze extracellular lysophosphatidic acid and short-chain phosphatidic acid. The expression of this gene is found to be enhanced by epidermal growth factor in Hela cells. [provided by RefSeq, Mar 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



Western Blot analysis of various cells using LPP3 mouse mAb