



PP12C mouse mAb

Catalog No	BYmab-12094
lsotype	lgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	PPP1R12C LENG3 MBS85
Protein Name	PP12C
Immunogen	Synthesized peptide derived from human PP12C AA range: 542-592
Specificity	This antibody detects endogenous levels of PP12C at Human/Mouse
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	Cytoplasm . Cytoplasm, cytoskeleton, stress fiber .
Tissue Specificity	Ubiquitously expressed. Highly expressed in heart.
Function	caution:Although assigned as two separate genes (PPP1R12C and LENG3), it is probable that LENG3 does not exist by itself and is a part of the PPP1R12C gene.,function:Regulates myosin phosphatase activity.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Unspliced mRNA.,similarity:Contains 4 ANK repeats.,subcellular location:Along actomyosin filaments and stress fibers.,subunit:PP1 comprises a catalytic subunit, PPP1CA, PPP1CB or PPP1CC, and one or several targeting or regulatory subunits. PPP1R12C mediates binding to myosin. Interacts via its N-terminus with PPP1CB. Interacts with IL16. Interacts with the coiled-coil domain of MPRIP.,tissue specificity:Ubiquitously expressed. Highly expressed in heart.,

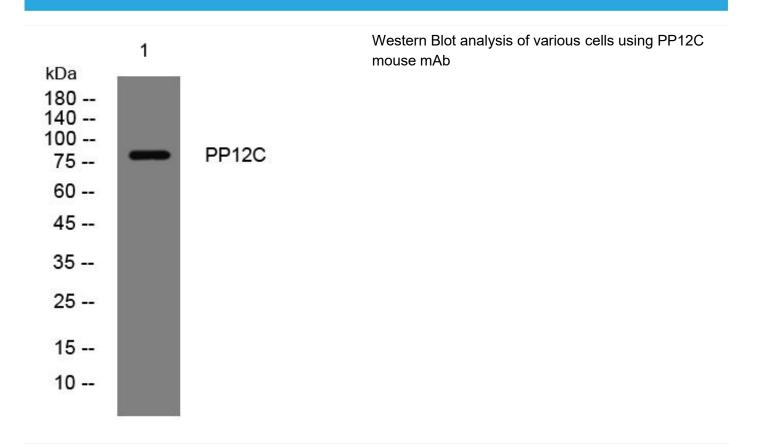
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Background	The gene encodes a subunit of myosin phosphatase. The encoded protein regulates the catalytic activity of protein phosphatase 1 delta and assembly of the
	actin cytoskeleton. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012],
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.

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