



PP2B-A α mouse mAb

Catalog No	YP-mAb-15058
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PPP3CA CALNA CNA
Protein Name	PP2B-A α
Immunogen	Synthesized peptide derived from human PP2B-A α
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat PP2B-A α
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	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform (EC 3.1.3.16;CAM-PRP catalytic subunit;Calmodulin-dependent calcineurin A subunit alpha isoform)
Observed Band	
Cell Pathway	Cytoplasm . Cell membrane ; Peripheral membrane protein . Cell membrane, sarcolemma . Cytoplasm, myofibril, sarcomere, Z line . Cell projection, dendritic spine . Colocalizes with ACTN1 and MYOZ2 at the Z line in heart and skeletal muscle (By similarity). Recruited to the cell membrane by scaffold protein AKAP5 following L-type Ca(2+)-channel activation (PubMed:22343722). .
Tissue Specificity	Expressed in keratinocytes (at protein level) (PubMed:29043977). Expressed in lymphoblasts (at protein level) (PubMed:30254215).
Function	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor: Binds 1 Fe(3+) ion per subunit.,cofactor: Binds 1 zinc ion per subunit.,function: Calcium-dependent, calmodulin-stimulated protein phosphatase. This subunit may have a role in the calmodulin activation of calcineurin. Dephosphorylates HSPB1 and SSH1.,online information: Calcineurin entry,similarity: Belongs to the PPP phosphatase family.,similarity: Belongs to the PPP phosphatase family. PP-2B subfamily.,subcellular location: Colocalizes with ACTN1 and MYOZ2 at the Z line in heart and skeletal muscle.,subunit: Composed of two components (A and B), the A component is the catalytic subunit and the B component confers calcium sensitivity. Interacts with TORC2/CRTC2, MYOZ1,



MYOZ2 and MYOZ3,

Background

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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