

Anti-Phospholipase C beta 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

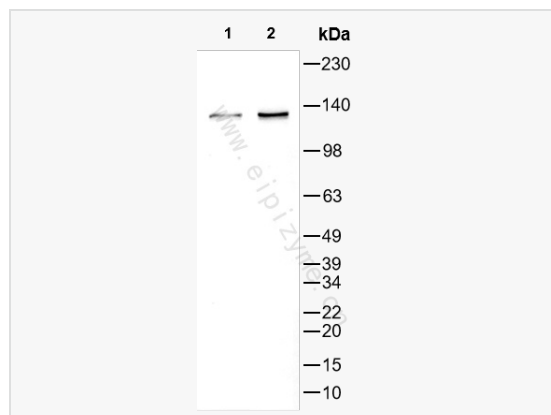
Catalog # R010475

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	50M91M60
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of mouse Phospholipase C beta 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospholipase C beta 1 Rabbit mAb [50M91M60] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	DEE12; EIEE12; PI-PLC; PLC-154; PLC-I; PLC-beta-1; PLC154; PLCB1A; PLCB1B; 3110043I21Rik; Plcb; mKIAA0581; PLC'1; PLCbeta1; Phosphb; RATPHOSPHB; PLCB1_HUMAN; PLCB1; Phosphoinositide phospholipase C-beta-1; Phospholipase C-I (PLC-I); Phospholipase C-beta-1 (PLC-beta-1); 3.1.4.11; KIAA0581; PLCB1_MOUSE; PLCB1_RAT.
Calculated MW	Calculated MW: 138 kDa; Observed MW: 138 kDa
Uniprot ID	Q9Z1B3
Gene ID	18795
Background	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes.
Cellular Location	Nucleus membrane Cytoplasm Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes.



Western Blot - Anti-Phospholipase C beta 1 Rabbit mAb [50M91M60]

All lanes: R010475 at 1:1,000 dilution

Lane 1: Mouse brain whole tissue lysates

Lane 2: Rat brain whole tissue lysates

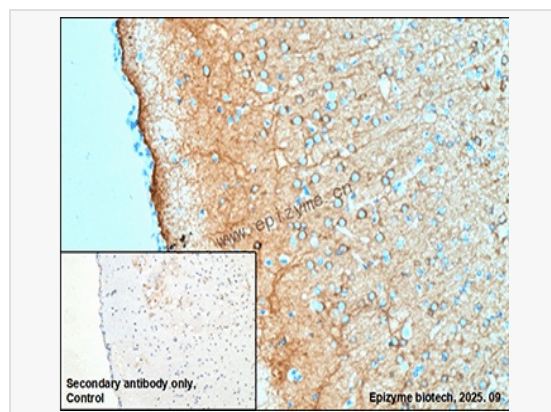
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 138 kDa

Observed band size: 138 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospholipase C beta 1 Rabbit mAb [50M91M60]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010475 at 1:200 dilution

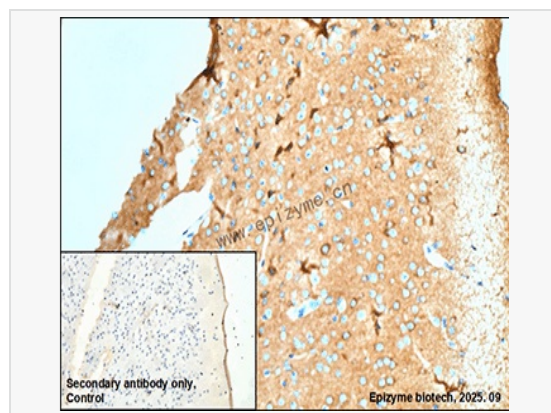
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



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