

Anti-PKC beta 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

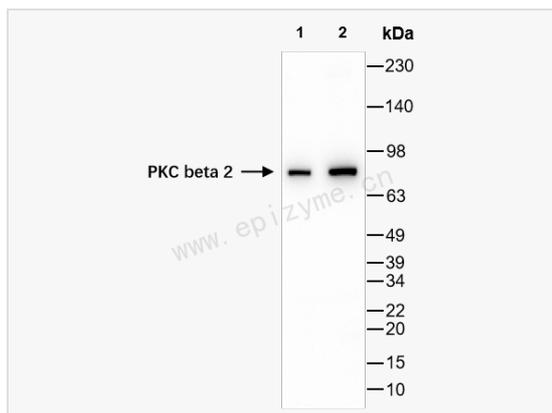
Catalog # R011360

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.	23M90L27
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PKC beta 2
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-PKC beta 2 Rabbit mAb [23M90L27] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PKCB; PRKCB1; PRKCB; Protein kinase C beta type; PKC-B; PKC-beta.
Calculated MW	Calculated MW: 77 kDa; Observed MW: 77 kDa
Uniprot ID	P05771
Gene ID	5579
Background	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm.Nucleus.Membrane.Peripheral membrane protein.



Western Blot - Anti-PKC beta 2 mAb [23M90L27]

All lanes: R011360 at 1:1,000 dilution

Lane 1: Mouse brain whole tissue lysates

Lane 2: Rat brain whole tissue lysates

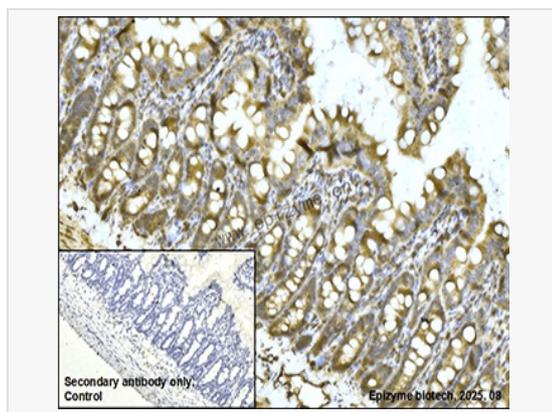
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 77 kDa

Observed band size: 77 kDa

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



Immunohistochemistry - Anti-PKC beta 2 mAb [23M90L27]

Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue

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

Primary antibody: R011360 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.