

PKC BETA 1 RABBIT MAB

Cat.#: N262725

Product Name: Anti-PKC beta 1 Rabbit Monoclonal Antibody

Synonyms: PRKCB; PKCB; PRKCB2; Protein kinase C beta type; PKC-B; PKC-beta

UNIPROT ID: P05771

Background: Calcium-activated, phospholipid- and diacylglycerol (DAG)-dependent serine/threonine-protein kinase involved in various cellular processes such as regulation of the B-cell receptor (BCR) signalosome, oxidative stress-induced apoptosis, androgen receptor-dependent transcription regulation, insulin signaling and endothelial cells proliferation. Plays a key role in B-cell activation by regulating BCR-induced NF-kappa-B activation. Mediates the activation of the canonical NF-kappa-B pathway (NFKB1) by direct phosphorylation of CARD11/CARMA1 at 'Ser-559', 'Ser-644' and 'Ser-652'.

Immunogen: A synthetic peptide of human PKC beta 2

Applications: WB, ICC/IF, IP

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R05-3F4

MW: Calculated MW: 77 kDa; Observed MW: 77 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human, Rat

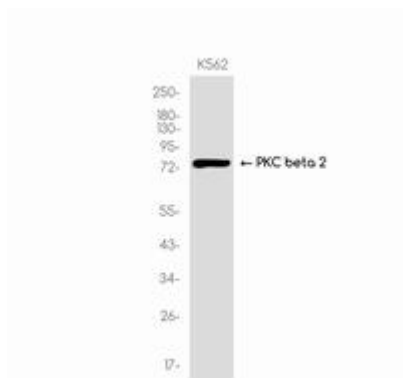
Conjugation: Unconjugated

Modification: Unmodified

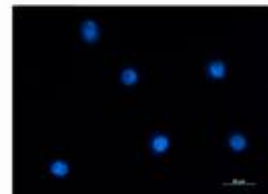
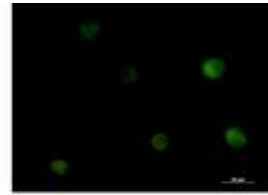
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

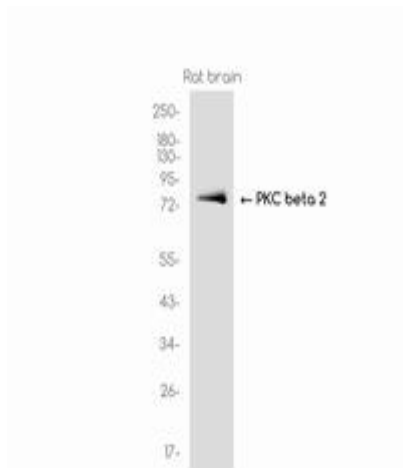
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of PKC beta 1 in K562 lysates using PKC beta 1 antibody



Immunocytochemistry analysis of PKC beta 1 (green) in K562 using PKC beta 1 antibody, and DAPI (blue).



Western blot analysis of PKC beta 1 in rat brain lysates using PKC beta 1 antibody.