Product datasheet

Anti-PI3 Kinase p110 Beta/PIK3CB Antibody (Clone#EIC-16)

Catalog Number: *BM4459*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-PI3 Kinase p110 Beta/PIK3CB Antibody (Clone#EIC-16)
Gene Name	PIK3CB
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IP, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human PI3 Kinase p110 beta
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	110 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:20 Flow Cytometry (FCM): 1:20

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta isoform is an enzyme that in humans is encoded by the PIK3CB gene. This gene encodes an isoform of the catalytic subunit of phosphoinositide 3-kinase (PI3K). These kinases are important in signaling pathways involving receptors on the outer membrane of eukaryotic cells and are named for their catalytic subunit. The encoded protein is the catalytic subunit for PI3Kbeta (PI3KB). PI3KB has been shown to be part of the activation pathway in neutrophils which have bound immune complexes at sites of injury or infection. Alternative splicing results in multiple transcript variants.

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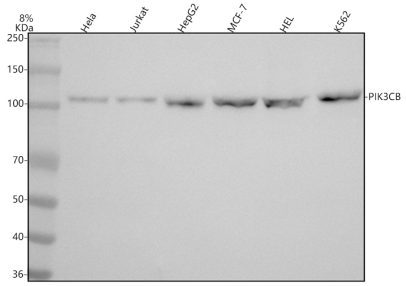
Selected Validation Data



Western blot analysis of anti-PI3 Kinase p110 Beta/PIK3CB antibody (BM4459). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human Jurkat whole cell lysates,
Lane 3: human HepG2 whole cell lysates,
Lane 4: human MCF-7 whole cell lysates,
Lane 5: human HEL whole cell lysates,
Lane 6: human K562 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PI3 Kinase p110 Beta/PIK3CB antigen affinity purified monoclonal antibody (BM4459) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PI3 Kinase p110 Beta/PIK3CB at approximately 110 kDa. The expected band size for PI3 Kinase p110 Beta/PIK3CB is at 123 kDa.