

Basic Information

Product Name	Anti-PI3 Kinase p110 Beta/PIK3CB Antibody	
Gene Name	PIK3CB	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human PIK3CB, different from the related mouse and rat sequences by one amino acid.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	110 kDa	
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	1:500-2000 1:50-400

Storage

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

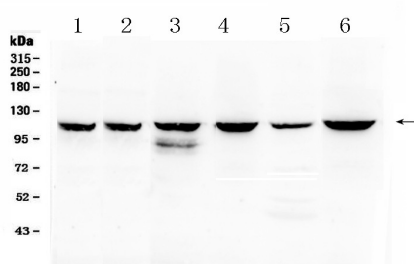
Background Information

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.

Reference

Anti-PI3 Kinase p110 Beta/PIK3CB Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of PI3 Kinase p110 Beta/PIK3CB using anti-PI3 Kinase p110 Beta/PIK3CB antibody (A01091-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat liver tissue lysates,

Lane 2: rat kidney tissue lysates,

Lane 3: mouse spleen tissue lysates,

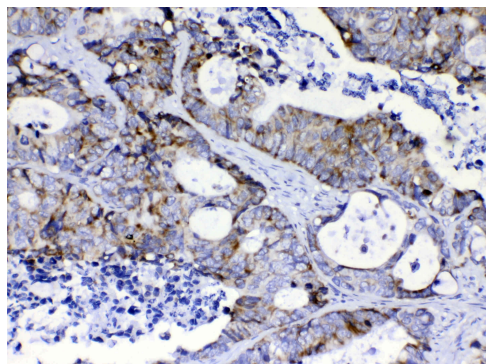
Lane 4: mouse thymus tissue lysates,

Lane 5: MCF-7 whole cell lysates,

Lane 6: 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 polyclonal antibody (A01091-1) 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.



IHC analysis of PI3 Kinase p110 Beta/PIK3CB using anti-PI3 Kinase p110 Beta/PIK3CB antibody (A01091-1).

PI3 Kinase p110 Beta/PIK3CB was detected in a paraffin-embedded section of human intestinal cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-PI3 Kinase p110 Beta/PIK3CB Antibody (A01091-1) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

Product datasheet

Anti-PI3 Kinase p110 Beta/PIK3CB

Antibody

Catalog Number: A01091-1

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BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.

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