Rabbit anti-Human, mouse PI 4 Kinase type 2 beta Polyclonal Antibody | anti-PI4K2B antibody

PI 4 Kinase type 2 beta antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287767	**Rabbit**	**Human, mouse**	**Western Blot, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

PI 4 Kinase type 2 beta; Polyclonal Antibody; PI 4 Kinase type 2 beta antibody (C-term); Phosphatidylinositol 4-kinase type 2-beta; Phosphatidylinositol 4-kinase type II-beta; PI4KII-BETA; PI4K2B; anti-PI4K2B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PI 4 Kinase type 2 beta antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-336 amino acids from the C-terminal region of human PI 4 Kinase type 2 beta.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.2 (varies by lot)
Sequence Positions	305-336
Sequence Length	481
Applicable Applications for anti-PI4K2B antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

WB (Western Blot)
Western blot analysis of anti-PI4K II beta Pab in mouse brain (Lane A) and Saos-2 (Lane B) cell lysate. PI4K II beta (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PI4K2B antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.
Product Categories/Family for anti-PI4K2B antibody	Signal Transduction
References	Wei, Y.J., et al., J. Biol. Chem. 277(48):46586-46593 (2002). Mora, S., et al., J. Biol. Chem. 277(30):27494-27500 (2002). Balla, A., et al., J. Biol. Chem. 277(22):20041-20050 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	224591401
NCBI GeneID	55300
NCBI Accession #	NP_060793.2
NCBI GenBank Nucleotide #	NM_018323.3
UniProt Accession #	Q8TCG2; Q9NUW2
Molecular Weight	54744
NCBI Official Full Name	phosphatidylinositol 4-kinase type 2-beta
NCBI Official Synonym Full Names	phosphatidylinositol 4-kinase type 2 beta
NCBI Official Symbol	PI4K2B
NCBI Official Synonym Symbols	PIK42B; PI4KIIB
NCBI Protein Information	phosphatidylinositol 4-kinase type 2-beta
UniProt Protein Name	Phosphatidylinositol 4-kinase type 2-beta
UniProt Gene Name	**PI4K2B**
UniProt Synonym Gene Names	PI4KII-BETA
UniProt Entry Name	P4K2B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pi-4-kinase-type-2-beta-antibody-western-blot-immunohistochemistry-elisa/287767