

Rabbit PTK2B-Y402 Antibody | anti-PTK2B antibody

Phospho-PTK2B-Y402 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37344	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

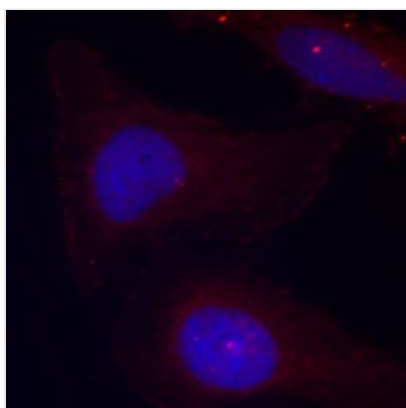
PRODUCT SYNONYMS

PTK2B-Y402; Phospho-PTK2B-Y402 Polyclonal Antibody; Phospho-PTK2B-Y402: PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK; anti-PTK2B antibody

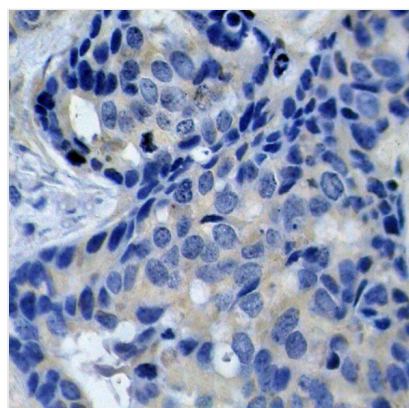
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1009
Applicable Applications for anti-PTK2B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding Y402 of human PTK2B
Calculated Molecular Weight	116kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

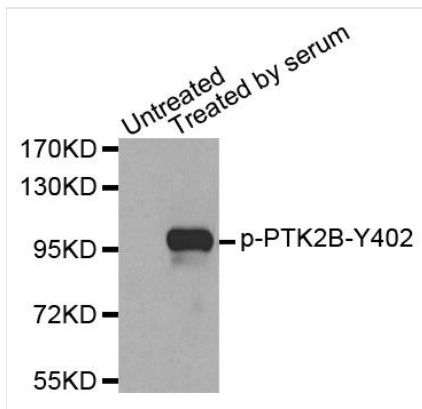
IMAGES


IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using Phospho-PTK2B-Y402 antibody.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-PTK2B-Y402 antibody.



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using Phospho-PTK2B-Y402 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-PTK2B antibody	This gene encodes a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene.
Product Categories/Family for anti-PTK2B antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	3183003
NCBI GeneID	2185
UniProt Accession #	Q14289; Q13475; Q14290; Q16709; Q6PID4; D3DST0
Molecular Weight	3030
NCBI Official Full Name	Protein-tyrosine kinase 2-beta
NCBI Official Synonym Full Names	protein tyrosine kinase 2 beta
NCBI Official Symbol	PTK2B
NCBI Official Synonym Symbols	PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK
NCBI Protein Information	protein-tyrosine kinase 2-beta; FADK 2; CAK-beta; protein kinase B; focal adhesion kinase 2; cell adhesion kinase beta; proline-rich tyrosine kinase 2; calcium-dependent tyrosine kinase; PTK2B protein tyrosine kinase 2 beta; related adhesion focal tyrosine kinase; calcium-regulated non-receptor proline-rich tyrosine kinase
UniProt Protein Name	Protein-tyrosine kinase 2-beta
UniProt Gene Name	PTK2B
UniProt Synonym Gene Names	FAK2; PYK2; RAFTK; CADTK; CAK-beta; CAKB; FADK 2; RAFTK
UniProt Entry Name	FAK2_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://www.aaabiotech.com/rabbit-human-mouse-rat-antibody/ptk2b-y402/37344>