

Rabbit anti-Human PTK6 Polyclonal Antibody | anti-PTK6 antibody

PTK6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232846	Rabbit	Human	Immunofluorescence, Western Blot, ELISA

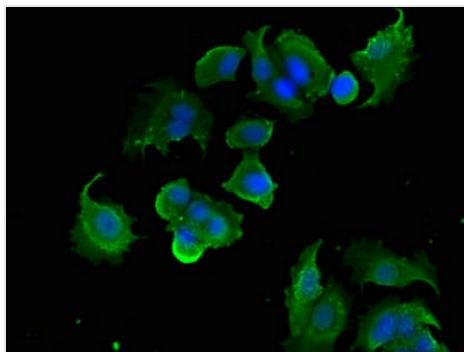
PRODUCT SYNONYMS

PTK6; Polyclonal Antibody; PTK6 Antibody; Protein-tyrosine kinase 6; Breast tumor kinase; Tyrosine-protein kinase BRK; BRK; anti-PTK6 antibody

PRODUCT SPECIFICATIONS

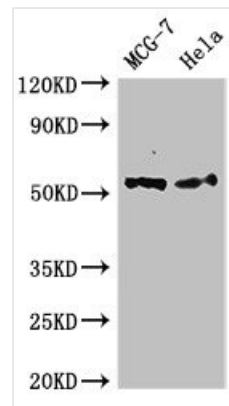
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	134
Applicable Applications for anti-PTK6 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Protein-tyrosine kinase 6 protein (1-113AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-915
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA232846 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)

Western Blot Positive WB detected in: MCF-7 whole cell lysate, HeLa whole cell lysate. All lanes: PTK6 antibody at 2.4ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 52,15 KDa. Observed band size: 52 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PTK6 antibody	Non-receptor tyrosine-protein kinase implicated in the regulation of a variety of signaling pathways that control the differentiation and maintenance of normal epithelia, as well as tumor growth. Function seems to be context dependent and differ depending on cell type, as well as its intracellular localization. A number of potential nuclear and cytoplasmic substrates have been identified. These include the RNA-binding proteins: KHDRBS1/SAM68, KHDRBS2/SLM1, KHDRBS3/SLM2 and SFPQ/PSF; transcription factors: STAT3 and STAT5A/B and a variety of signaling molecules: ARHGAP35/p190RhoGAP, PXN/paxillin, BTK/ATK, STAP2/BKS. Associates also with a variety of proteins that are likely upstream of PTK6 in various signaling pathways, or for which PTK6 may play an adapter-like role. These proteins include ADAM15, EGFR, ERBB2, ERBB3 and IRS4. In normal or non-tumorigenic tissues, PTK6 promotes cellular differentiation and apoptosis. In tumors PTK6 contributes to cancer progression by sensitizing cells to mitogenic signals and enhancing proliferation, anchorage-independent survival and migration/invasion. Association with EGFR, ERBB2, ERBB3 may contribute to mammary tumor development and growth through enhancement of EGF-induced signaling via BTK/AKT and PI3 kinase. Contributes to migration and proliferation by contributing to EGF-mediated phosphorylation of ARHGAP35/p190RhoGAP, which promotes association with RASA1/p120RasGAP, inactivating RhoA while activating RAS. EGF stimulation resulted in phosphorylation of PNK/Paxillin by PTK6 and activation of RAC1 via CRK/CrKII, thereby promoting migration and invasion. PTK6 activates STAT3 and STAT5B to promote proliferation. Nuclear PTK6 may be important for regulating growth in normal epithelia, while cytoplasmic PTK6 might activate oncogenic signaling pathways.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	373432692
NCBI GeneID	5753
NCBI Accession #	NP_001243287.1
NCBI GenBank Nucleotide #	NM_001256358.1
UniProt Accession #	Q13882; Q58F01; B2RCR3; B4DW46
Molecular Weight	14,465 Da
NCBI Official Full Name	protein-tyrosine kinase 6 isoform 2
NCBI Official Synonym Full Names	protein tyrosine kinase 6
NCBI Official Symbol	PTK6
NCBI Official Synonym Symbols	BRK
NCBI Protein Information	protein-tyrosine kinase 6
UniProt Protein Name	Protein-tyrosine kinase 6
UniProt Gene Name	PTK6
UniProt Synonym Gene Names	BRK
UniProt Entry Name	PTK6_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/polyclonal/ptk6-antibody-immunofluorescence-western-blot-elisa/232846>