

Brk rabbit pAb

Cat No.:ES6918

For research use only

Overview

Product Name	Brk rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Breast Tumor Kinase. AA range:10-59
Specificity	Brk Polyclonal Antibody detects endogenous levels of Brk protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Protein-tyrosine kinase 6
Gene Name	PTK6
Cellular localization	Cytoplasm. Nucleus. Cell projection, ruffle. Membrane . Colocalizes with KHDRBS1, KHDRBS2 or KHDRBS3, within the nucleus. Nuclear localization in epithelial cells of normal prostate but cytoplasmic localization in cancer prostate.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	5753
Human Swiss-Prot Number	Q13882
Alternative Names	PTK6; BRK; Protein-tyrosine kinase 6; Breast tumor kinase; Tyrosine-protein kinase BRK

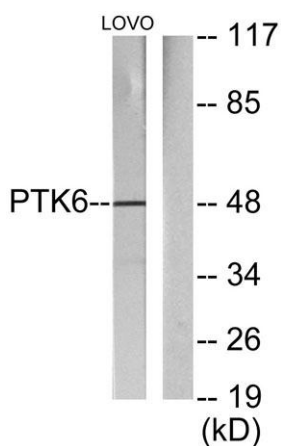
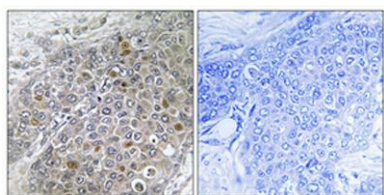




Background

protein tyrosine kinase 6 (PTK6) Homo sapiens
The protein encoded by this gene is a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. Overexpression of this gene in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype. Expression of this gene has been detected at low levels in some breast tumors but not in normal breast tissue. The encoded protein has been shown to undergo autophosphorylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012],

Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed



Western blot analysis of lysates from LOVO cells, using Breast Tumor Kinase Antibody. The lane on the right is blocked with the synthesized peptide.

