

Monoclonal Antibody to PTK6

Cat. #: Pab-607051

Description:

PTK6 (protein tyrosine kinase 6, BRK or FLJ42088), with 451-amino acid protein (about 51kDa), encodes a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. Its presence in the nucleus appears to be linked to suppression of tumor progression. The encoded protein has been shown to undergo autophosphorylation. Very high level in colon and high levels in small intestine and prostate, and low levels in some fetal tissues. And Expressed at low level in some breast tumors, but not in normal breast. Also found in melanocytes, but not expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. 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.

Immunogen/Specificity:

Ni-NTA purified truncated recombinant PTK6 expressed in E. Coli strain BL21 (DE3).

Applications :

ELISA: Propose dilution 1: 10,000.

Determining optimal working dilutions by titration test.

Formulation

Antibodies are purified by protein A affinity chromatography

References

1. Wilks, A.F. Proc. Natl. Acad. Sci. USA 86: 1603-1607.
2. Otilie, S., et al. Oncogene 7: 1625-1630.
3. Lee, S.T., et al. Oncogene 8: 3403-3410.

Clone Number: 2H12B8

Isotype: IgG2b

Species: Human

Storage and Stability: stored at -20 C

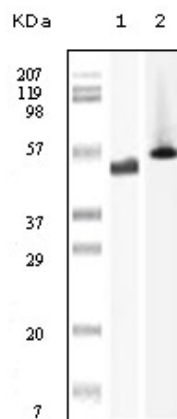


Figure 1: Western blot analysis using anti-human PTK6 monoclonal antibody against truncated PTK6 PTK6 recombinant protein(1), MCF-7 cell lysate(2).