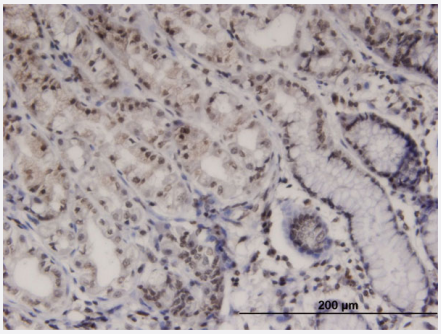
PTK6 monoclonal antibody (M01), clone 2F11

Catalog # H00005753-M01 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PTK6 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTK6.
Immunogen	PTK6 (NP_005966, 342 a.a. ~ 451 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YLSHDHNIPYKWTAPEALSRGHYSTKSDVWSFGILLHEMFSRGQVPYPGMSNHEAFLRVDAGYR MPCPLECPPSVHKLMLTCWCRDPEQRPCFKALRERLSSFTSYENPT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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  Protocol Download

- ELISA

Gene Info — PTK6

Entrez GeneID	5753
GeneBank Accession#	NM_005975
Protein Accession#	NP_005966
Gene Name	PTK6
Gene Alias	BRK, FLJ42088
Gene Description	PTK6 protein tyrosine kinase 6
Omim ID	602004
Gene Ontology	Hyperlink
Gene Summary	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 partiall y 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 autophos phorylation. [provided by RefSeq
Other Designations	OTTHUMP00000031656|breast tumor kinase|protein-tyrosine kinase BRK

Publication Reference

- Additive impact of HER2-/PTK6-RNAi on interactions with HER3 or IGF-1R leads to reduced breast cancer progression in vivo.

  Falkenberg N, Anastasov N, Hofig I, Bashkueva K, Lindner K, Hofler H, Rosemann M, Aubele M.

  Molecular Oncology 2015 Jan; 9(1):282.

  Application: IHC, Mouse, BT474 cell xenografts

- Olive Phenolics as c-Met Inhibitors: (-)-Oleocanthal Attenuates Cell Proliferation, Invasiveness, and Tumor Growth in Breast Cancer Models.

  Akl MR, Ayoub NM, Mohyeldin MM, Busnena BA, Foudah AI, Liu YY, Sayed KA.

  PLoS One 2014 May; 9(5):e97622.

  Application: WB-Ce, Human, MDA-MB-231 cells

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema