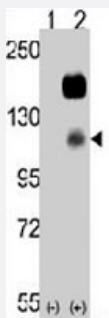


PTK7 polyclonal antibody

Catalog # PAB3464

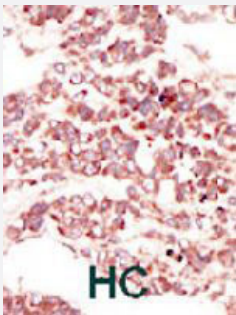
Size 400 uL

Applications



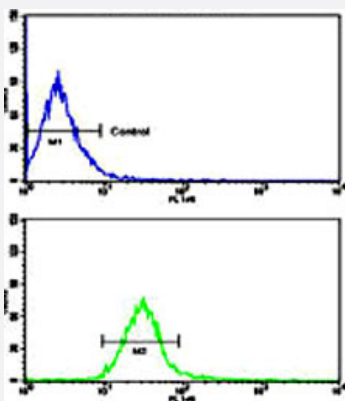
Western Blot (Transfected lysate)

Western blot analysis of CCK4 (arrow) using rabbit PTK7 polyclonal antibody (Cat # PAB3464). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PTK7 gene (Lane 2) (Origene Technologies).



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PTK7 polyclonal antibody (Cat # PAB3464), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.



Flow Cytometry

Flow cytometric analysis of NCI-H460 cells using PTK7 polyclonal antibody (Cat # PAB3464)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of PTK7.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PTK7.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Flow Cytometry (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — PTK7

Entrez GeneID

[5754](#)

Protein Accession#

[Q13308](#)

Gene Name	PTK7
Gene Alias	CCK4
Gene Description	PTK7 protein tyrosine kinase 7
Omim ID	601890
Gene Ontology	Hyperlink
Gene Summary	Receptor protein tyrosine kinases transduce extracellular signals across the cell membrane. A subgroup of these kinases lack detectable catalytic tyrosine kinase activity but retain roles in signal transduction. The protein encoded by this gene is a member of this subgroup of tyrosine kinases and may function as a cell adhesion molecule. This gene is thought to be expressed in colon carcinomas but not in normal colon, and therefore may be a marker for or may be involved in tumor progression. Four transcript variants encoding four different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000039809 colon carcinoma kinase-4

Publication Reference

- [Identification and quantification of N-linked glycoproteins using hydrazide chemistry, stable isotope labeling and mass spectrometry.](#)**
 Zhang H, Li XJ, Martin DB, Aebersold R.
 Nature Biotechnology 2003 Jun; 21(6):660.
- [Characterization of the human full-length PTK7 cDNA encoding a receptor protein tyrosine kinase-like molecule closely related to chick KLG.](#)**
 Park SK, Lee HS, Lee ST.
 Journal of Biochemistry 1996 Feb; 119(2):235.
- [Colon carcinoma kinase-4 defines a new subclass of the receptor tyrosine kinase family.](#)**
 Mossie K, Jallal B, Alves F, Sures I, Plowman GD, Ullrich A.
 Oncogene 1995 Nov; 11(10).