

PTK7 Antibody

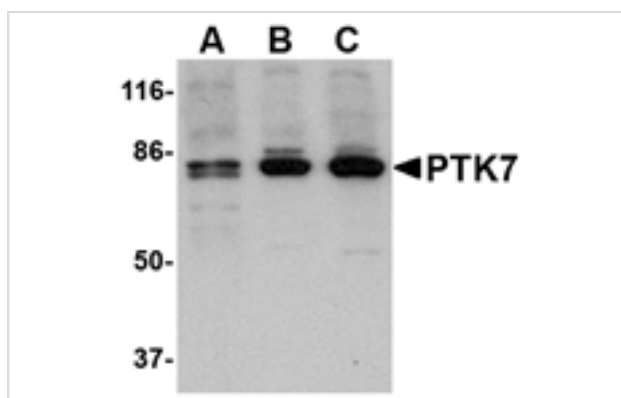
Catalog No: #24564

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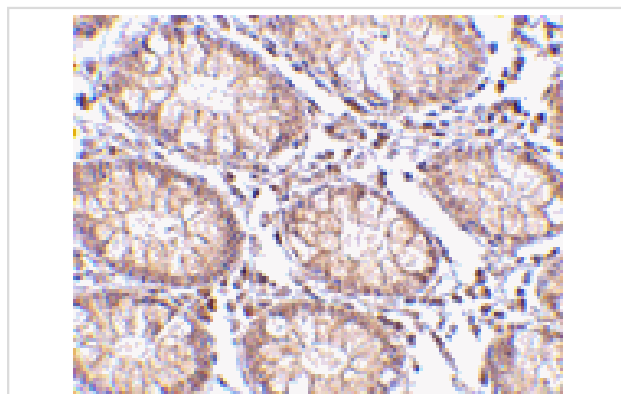
Description

Product Name	PTK7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from near the amino terminus of human PTK7.
Target Name	PTK7
Other Names	Protein tyrosine Kinase 7, colon carcinoma kinase-4, CCK-4
Accession No.	Swiss-Prot:Q13308Gene ID:5754
Uniprot	Q13308
GeneID	5754;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of PTK7 in (A) human, (B) mouse and (C) rat colon tissue lysate with PTK7 antibody at 1 ug/mL.



Immunohistochemistry of PTK7 in human colon tissue with PTK7 antibody at 5 ug/mL.

Background

Protein-tyrosine kinases (PTKs) play important roles in regulating cell proliferation and differentiation during development. One member of the PTK family, PTK7, has been suggested to regulate the planar cell polarity (PCP) pathway in vertebrates and may play a role in neural convergent extension and neural tube closure. PTK7 has also been implicated in the development of cancer. Loss of PTK7 expression was seen in several melanoma cell lines and biopsies. Conversely, high-throughput analysis of acute myeloid leukemia samples showed an increased level of PTK7 expression compared to normal bone marrow and purified CD34+ cells. Multiple isoforms of PTK7 are known to exist.

Note: This product is for in vitro research use only