Datasheet for 600-401-H13

PTK7 Antibody

Overview

Description:	Anti-PTK7 (RABBIT) Antibody - 600-401-H13
Item No.:	600-401-H13
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	PTK7 antibody detects PTK7 protein. 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. Anti-PTK7 antibodies are ideal for investigators involved in cancer and cell cycle protein research.
Synonyms:	CCK4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PTK7
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	PTK7 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide near the c-terminus of human PTK7.

Purity/Specificity:	Anti-PTK7 Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with PTK7 with Human, Rat and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with PTK7 from other sources has not been determined.
Relevant Links:	• NCBI - AAH71557 • UniProtKB - Q13308 • GeneID - 5754

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-PTK7 Antibody is tested for use in E, WB, IF, and IHC. Expect a band approximately ~118.3 kDa on specific lysates. Western Blot tested in human, mouse, and rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	20µg/mL
IHC:	2.5µg/mL
WB:	1µg/mL

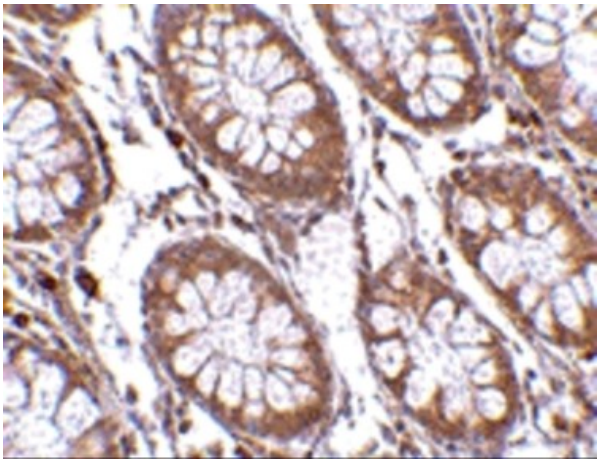
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

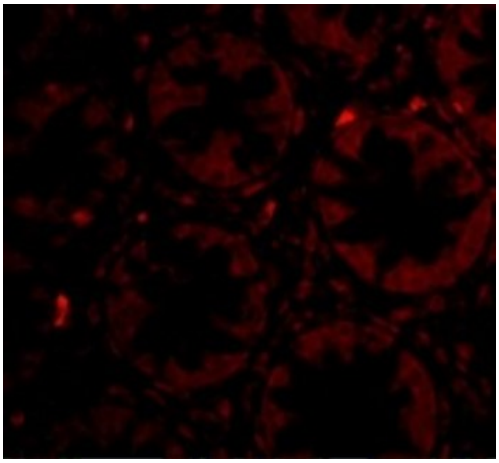
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

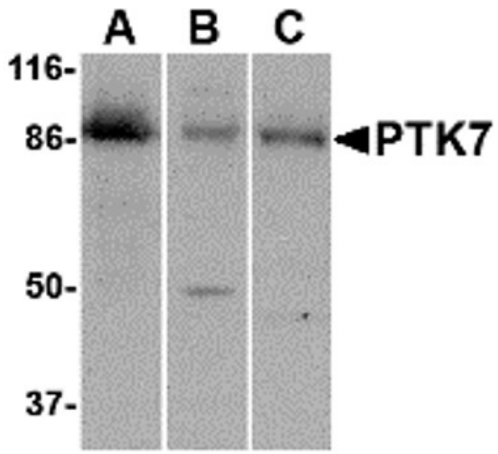
Images



Immunohistochemistry
Immunohistochemistry of PTK7.
Tissue: human colon tissue.
Primary Antibody: Anti-PTK7 antibody at 2.5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of PTK7.
Cell: Human Colon cells.
Primary Antibody: Anti-PTK7 antibody at 20 µg/mL.



Western Blot
Western blot analysis of PTK7.
Load: (A) human colon, (B) mouse kidney and (C) rat liver tissue lysate.
Primary Antibody: Anti-PTK7 antibody at 1 µg/mL.

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Disclaimer

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