

Anti-PTK7 Antibody

Catalog Number: A02957-1

About PTK7

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.

Overview

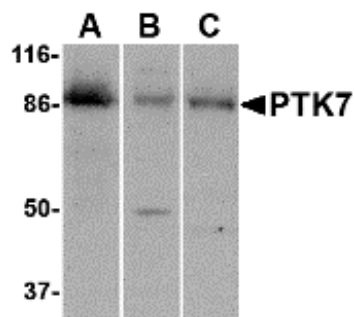
Product Name	Anti-PTK7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PTK7 Antibody (Catalog # A02957-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PTK7 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C, stable for up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q13308

Technical Details

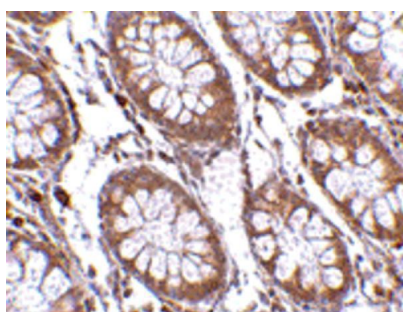
Immunogen	PTK7 antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human PTK7. The immunogen is located within amino acids 880 - 930 of PTK7.
Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PTK7 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PTK7 antibody can be used for detection of PTK7 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human, mouse, and rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

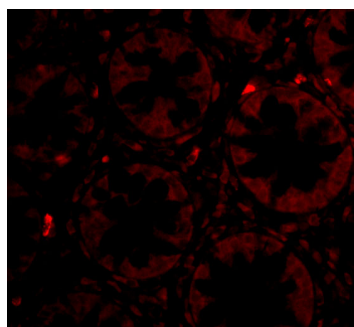
Anti-PTK7 Antibody (A02957-1) Images



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



Immunohistochemistry of PTK7 in human colon tissue with PTK7 antibody at 2.5 ug/mL.



Immunofluorescence of PTK7 in Human Colon cells with PTK7 antibody at 20 ug/mL.

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Anti-PTK7 Antibody

For Research Use Only. Not for use in diagnostic procedures.