

Datasheet for ABIN500555
anti-PTK7 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	PTK7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	PTK7 antibody was raised against a 15 amino acid peptide from near the amino terminus of human PTK7.
Isotype:	IgG
Specificity:	This antibody detects PTK7 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	PTK7
Alternative Name:	PTK7 / CCK4 (PTK7 Products)

Target Details

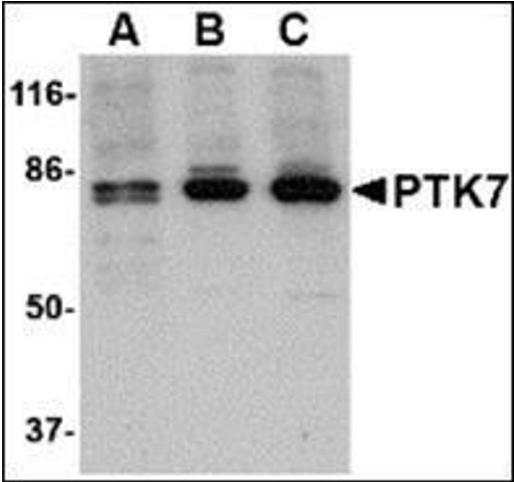
Background:	Protein-tyrosine kinases (PTKs) play important roles in regulating cell proliferation and differentiation during development. One member of the PTK family, PTK7, has been suggested to regulate the planar cell polarity (PCP) pathway in vertebrates and may play a role in neural convergent extension 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.Synonyms: CCK-4, Colon carcinoma kinase 4, Tyrosine-protein kinase-like 7
Gene ID:	5754
NCBI Accession:	NP_002812
UniProt:	Q13308
Pathways:	RTK Signaling, Tube Formation

Application Details

Application Notes:	ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

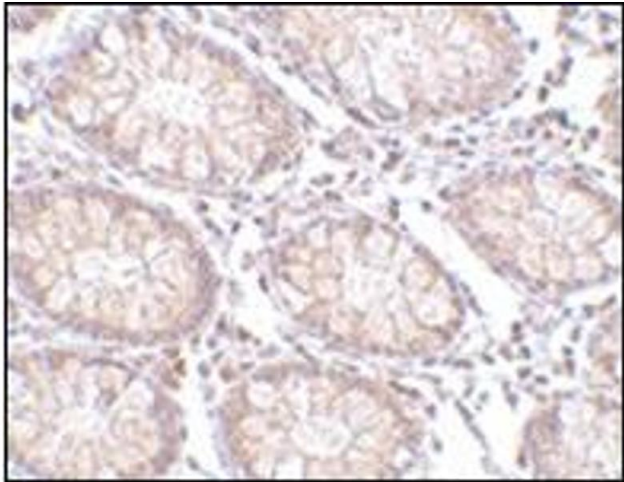
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of PTK7 in (A) human, (B) mouse and (C) rat colon tissue lysate with this product at 1 μ g/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of PTK7 in human colon tissue with this product at 5 μ g/ml.