

**PTK7 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21298a**

## Specification

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### PTK7 Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	<a href="#">Q13308</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	118392

### PTK7 Antibody (N-Term) - Additional Information

**Gene ID** 5754

#### Other Names

Inactive tyrosine-protein kinase 7, Colon carcinoma kinase 4, CCK-4, Protein-tyrosine kinase 7, Pseudo tyrosine kinase receptor 7, Tyrosine-protein kinase-like 7, PTK7, CCK4

#### Target/Specificity

This PTK7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 331-363 amino acids from the human region of human PTK7.

#### Dilution

WB~~1:2000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

PTK7 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### PTK7 Antibody (N-Term) - Protein Information

**Name** PTK7

**Synonyms** CCK4

**Function** Inactive tyrosine kinase involved in Wnt signaling pathway. Component of both the

non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis.

#### Cellular Location

Membrane; Single-pass type I membrane protein. Cell junction. Note=Colocalizes with MMP14 at cell junctions. Also localizes at the leading edge of migrating cells

#### Tissue Location

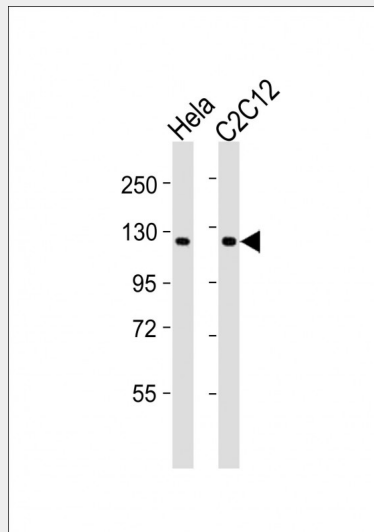
Highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. But not expressed in colon

### PTK7 Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PTK7 Antibody (N-Term) - Images



All lanes : Anti-PTK7 Antibody (N-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysates Lane 2: C2C12 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 118 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### PTK7 Antibody (N-Term) - Background

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(also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis.

#### **PTK7 Antibody (N-Term) - References**

- Mossie K., et al. *Oncogene* 11:2179-2184(1995).  
Park S.-K., et al. *J. Biochem.* 119:235-239(1996).  
Jung J.-W., et al. *Biochim. Biophys. Acta* 1579:153-163(2002).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Mungall A.J., et al. *Nature* 425:805-811(2003).