

**CCK4 / PTK7 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12390**

**Specification**

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**CCK4 / PTK7 Antibody (C-Terminus) - Product Information**

Application	IF, IHC, WB
Primary Accession	<a href="#">O13308</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118kDa KDa

**CCK4 / PTK7 Antibody (C-Terminus) - 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**

an 18 amino acid peptide from near the carboxy terminus of human PTK7

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

CCK4 / PTK7 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**CCK4 / PTK7 Antibody (C-Terminus) - 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

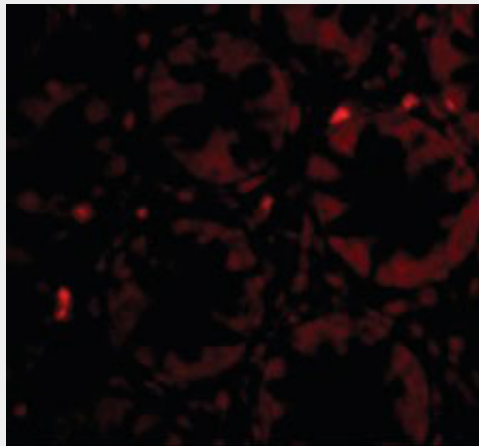
Highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. But not expressed in colon

### CCK4 / PTK7 Antibody (C-Terminus) - Protocols

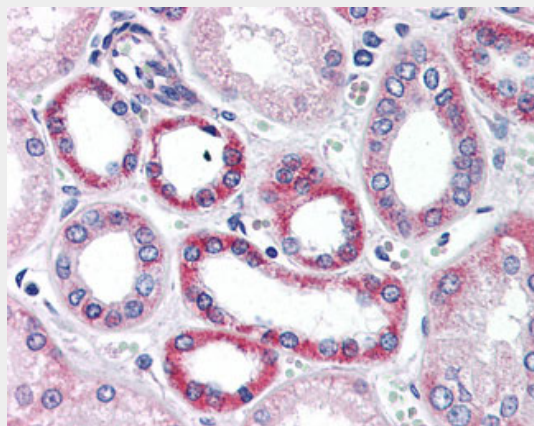
Provided below are standard protocols that you may find useful for product applications.

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

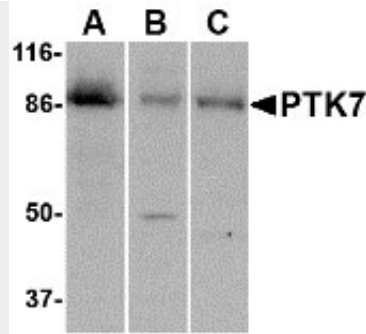
### CCK4 / PTK7 Antibody (C-Terminus) - Images



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



Anti-PTK7 antibody IHC of human kidney.



Western blot of PTK7 in (A) human colon, (B) mouse kidney and (C) rat liver tissue lysate with...

#### **CCK4 / PTK7 Antibody (C-Terminus) - Background**

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.

#### **CCK4 / PTK7 Antibody (C-Terminus) - 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).