

**CCK4 / PTK7 Antibody (clone 4F9)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS16183**

**Specification**

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**CCK4 / PTK7 Antibody (clone 4F9) - Product Information**

Application	IHC
Primary Accession	<a href="#">O13308</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	118kDa KDa

**CCK4 / PTK7 Antibody (clone 4F9) - 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**

Human CCK4 / PTK7

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

**Precautions**

CCK4 / PTK7 Antibody (clone 4F9) is for research use only and not for use in diagnostic or therapeutic procedures.

**CCK4 / PTK7 Antibody (clone 4F9) - 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

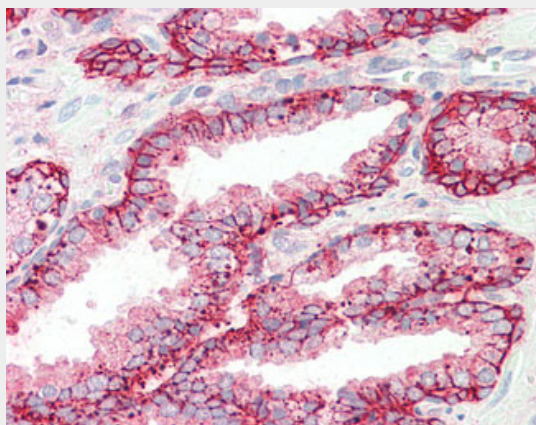
**Volume**

50  $\mu$ l

**CCK4 / PTK7 Antibody (clone 4F9) - 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 (clone 4F9) - Images**

Anti-CCK4 / PTK7 antibody IHC staining of human prostate.

**CCK4 / PTK7 Antibody (clone 4F9) - 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 (clone 4F9) - 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).