

**Mouse Ptk7 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21668b**

**Specification**

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**Mouse Ptk7 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8BKG3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	117532

**Mouse Ptk7 Antibody (C-term) - Additional Information**

**Gene ID** 71461

**Other Names**

Inactive tyrosine-protein kinase 7, Protein chuzhoi, Protein-tyrosine kinase 7, Pseudo tyrosine kinase receptor 7, Tyrosine-protein kinase-like 7, Ptk7

**Target/Specificity**

This Mouse Ptk7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 702-737 amino acids from the C-terminal region of Mouse Ptk7.

**Dilution**

WB~~1:1000-1:2000

**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**

Mouse Ptk7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Ptk7 Antibody (C-term) - Protein Information**

**Name** Ptk7

**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

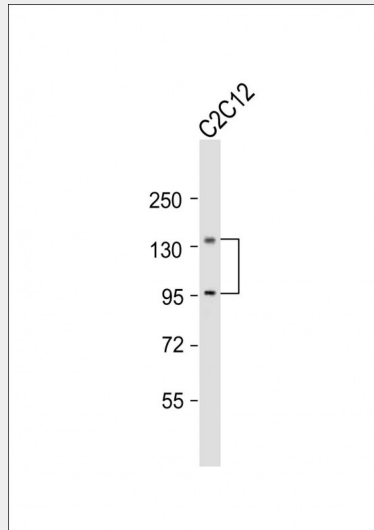
Expressed at high levels in lung and un-pregnant uterus among adult tissues, and in the tail, limbs, somites, gut and craniofacial regions among embryonic tissues

### Mouse Ptk7 Antibody (C-term) - Protocols

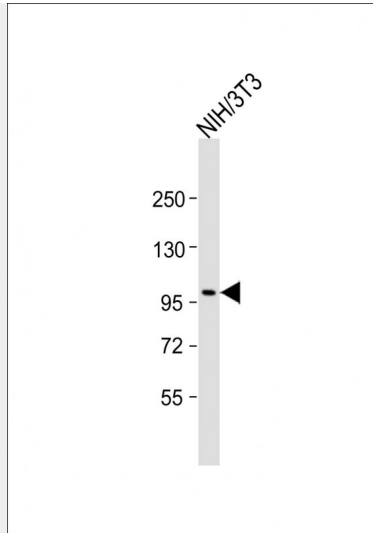
Provided below are standard protocols that you may find useful for product applications.

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

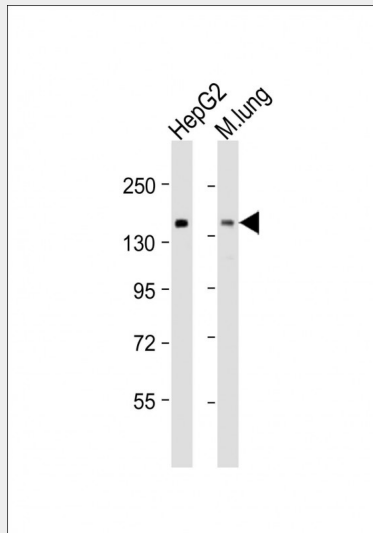
### Mouse Ptk7 Antibody (C-term) - Images



Anti-Ptk7 Antibody (C-term) at 1:1000 dilution + C2C12 whole cell lysate Lysates/proteins at 20  $\mu$ g 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.



Anti-Ptk7 Antibody (C-term) at 1:2000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20  $\mu$ g 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.



All lanes : Anti-Ptk7 Antibody (C-term) at 1:1000-1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: mouse lung lysate Lysates/proteins at 20  $\mu$ g 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.

### Mouse Ptk7 Antibody (C-term) - 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.

### Mouse Ptk7 Antibody (C-term) - References

- Jung J.-W., et al. Gene 328:75-84(2004).
- Carninci P., et al. Science 309:1559-1563(2005).
- Daigo Y., et al. Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.

Lu X., et al. Nature 430:93-98(2004).

Gundry R.L., et al. Mol. Cell. Proteomics 8:2555-2569(2009).