10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Mouse Ptk7 Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP21668b**

## Specification

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

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q8BKG3 |
| 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
E~~Use at an assay dependent concentration.

**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

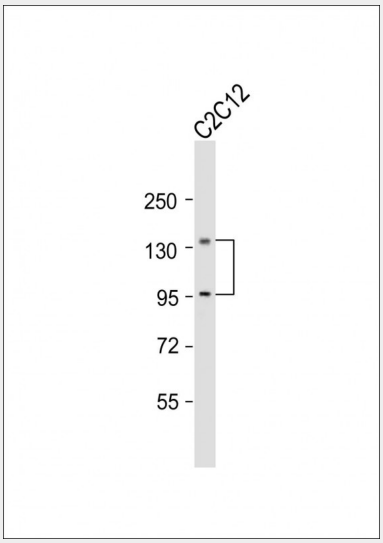
**Tissue Location**
Expressed at high levels in lung and un-pregnant uterus among adult tissues, and in the tail, limbs, somites, gut and craniofacial regions among embryonic tissues

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

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

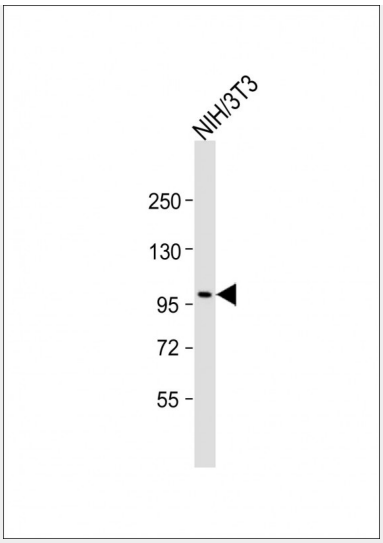
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

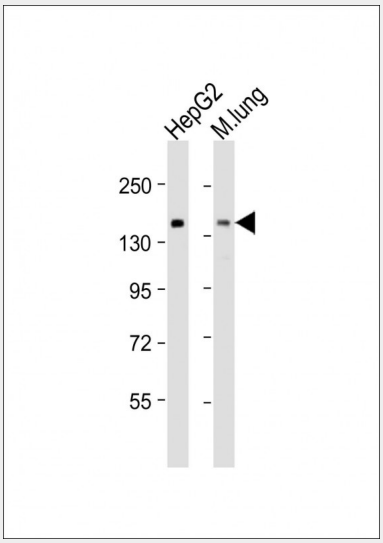



Anti-Ptk7 Antibody (C-term) at 1:1000 dilution + C2C12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 118 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999




Anti-Ptk7 Antibody (C-term) at 1:2000 dilution + NIH/3T3 whole cell lysate 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.




All lanes : Anti-Ptk7 Antibody (C-term) at1:1000-1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: mouse lung lysate 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.

**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).