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 # AP21199b

Product Information

Application	WB, E
Primary Accession	Q8BKG3
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB50417
Calculated MW	117532

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 722-757 amino acids from the C-terminal region of mouse Ptk7.
Dilution	WB~~1:500 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.

Protein Information

Name	Ptk7
Function	Inactive tyrosine kinase involved in the Wnt signaling pathway. Component of both the non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathways. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton

	reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis. Does not bind ATP (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q13308}; Single-pass type I membrane protein. Cell junction {ECO:0000250|UniProtKB:Q13308}. Note=Colocalizes with MMP14 at cell junctions. Also localizes at the leading edge of migrating cells {ECO:0000250|UniProtKB:Q13308}
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

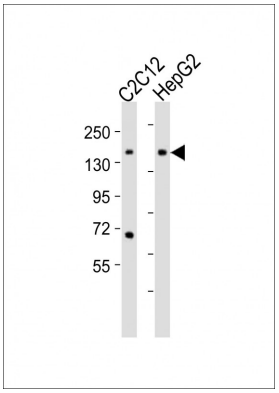
Background

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.

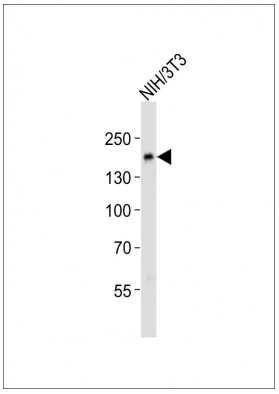
References

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).

Images



All lanes : Anti-Ptk7 Antibody (C-term) at 1:2000 dilution Lane 1: C2C12 whole cell lysates Lane 2: HepG2 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.



Anti-Ptk7 Antibody (C-term) at 1:500 dilution + NIH/3T3 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.