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PTK7 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21298a

Product Information

Application	WB, E
Primary Accession	Q13308
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52198
Calculated MW	118392

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	This PTK7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 331-363 amino acids from the human region of human PTK7.
Dilution	WB~~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	PTK7 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PTK7
Synonyms	CCK4
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 (PubMed:24107129, PubMed:32619402).
Cellular Location	Cell 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

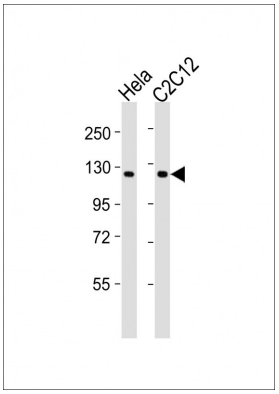
Background

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

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).

Images



All lanes : Anti-PTK7 Antibody (N-Term) at 1:2000 dilution Lane 1: Hela whole cell lysates Lane 2: C2C12 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'.