



CCK-4 Monoclonal Antibody

Catalog No	YP-Ab-12898
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	PTK7
Immunogen	Purified recombinant fragment of human CCK-4 expressed in E. Coli.
Specificity	CCK-4 Monoclonal Antibody detects endogenous levels of CCK-4 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PTK7;CCK 4;CCK4;CCK-4;Colon carcinoma kinase 4;Inactive tyrosine-protein kinase 7;Protein-tyrosine kinase 7;Pseudo tyrosine kinase receptor 7;Tyrosine-protein kinase-like 7
Observed Band	118kD
Calculated Molecular Weight	118kD
Cell Pathway	Membrane ; Single-pass type I membrane protein . Cell junction . Colocalizes with MMP14 at cell junctions. Also localizes at the leading edge of migrating cells.
Tissue Specificity	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.
Function	function:May function as a cell adhesion molecule that acts as a regulator of planar cell polarity. Seems to lack tyrosine-protein kinase activity., similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.,similarity:Contains 1 protein kinase domain., similarity:Contains 7 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity: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

This gene encodes a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. The encoded protein lacks detectable catalytic tyrosine kinase activity, is involved in the Wnt signaling pathway and plays a role in multiple cellular processes including polarity and adhesion. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012],

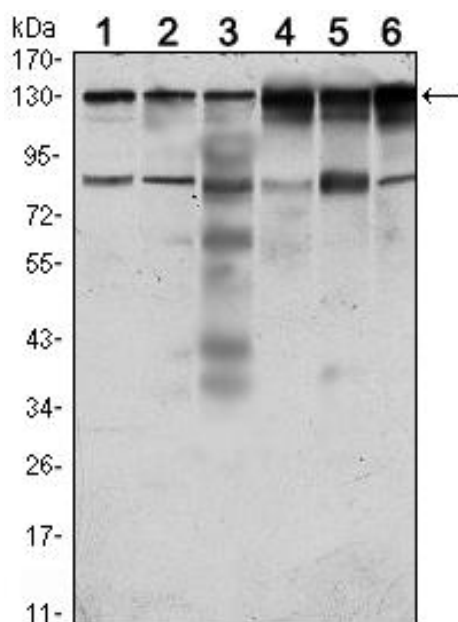
matters needing attention

Avoid repeated freezing and thawing!

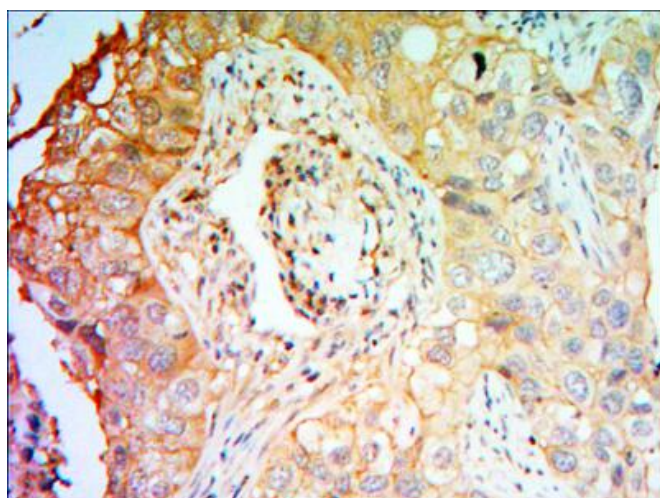
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using CCK-4 Monoclonal Antibody against HeLa (1), A431 (2), HCT116 (3), Caco2 (4), HepG2 (5) and MCF-7 (6) cell lysate.



Immunohistochemistry analysis of paraffin-embedded lung cancer tissues with DAB staining using CCK-4 Monoclonal Antibody.