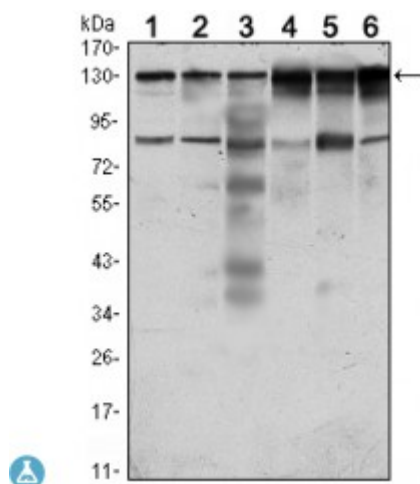


Anti-CCK-4 antibody



Description	Mouse monoclonal to CCK-4.
Model	STJ97900
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of human CCK-4 expressed in E. Coli.
Gene ID	5754
Gene Symbol	PTK7
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	CCK-4 Monoclonal Antibody detects endogenous levels of CCK-4 protein.
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.
Purification	Affinity purification
Clone ID	4F9
Note	For Research Use Only (RUO).
Protein Name	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
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9618OMIM:601890
Alternative 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
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.
Sequence and Domain Family	The protein kinase domain is predicted to be catalytically inactive.
Cellular Localization	Membrane Cell junction. Colocalizes with MMP14 at cell junctions. Also localizes at the leading edge of migrating cells.
Post-translational Modifications	MMP14 cleaves PTK7 between Pro-621 and Leu-622 generating an N-terminal soluble (70 kDa) fragment and a membrane C-terminal (50 kDa) fragment. Proteolysis by MMP14 regulates PTK7 function in non-canonical Wnt signaling pathway.

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