

Product Name: CD318 (phospho Tyr707) Rabbit Polyclonal Antibody
Catalog #: APRab04400

Summary

Production Name	CD318 (phospho Tyr707) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CDCP1 CDCP1; TRASK; CUB domain-containing protein 1; Membrane glycoprotein gp140;
Alternative Names	Subtractive immunization M plus HEp3-associated 135 kDa protein; SIMA135; Transmembrane and associated with src kinases; CD antigen CD318
Gene ID	64866.0
SwissProt ID	Q9H5V8.Synthesized phospho-peptide around the phosphorylation site of human CD318 (phospho Tyr707)

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000
Molecular Weight	140,80kD

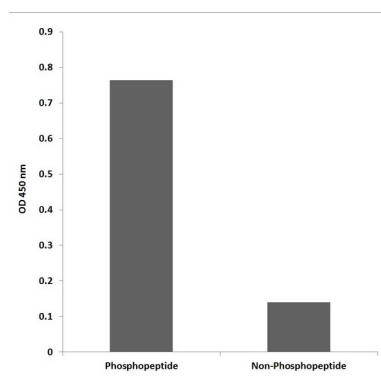
Product Name: CD318 (phospho Tyr707) Rabbit Polyclonal Antibody
Catalog #: APRab04400

Background

This gene encodes a transmembrane protein which contains three extracellular CUB domains and acts as a substrate for Src family kinases. The protein plays a role in the tyrosine phosphorylation-dependent regulation of cellular events that are involved in tumor invasion and metastasis. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013],function:May be involved in cell adhesion and cell matrix association. May play a role in the regulation of anchorage versus migration or proliferation versus differentiation via its phosphorylation. May be a novel marker for leukemia diagnosis and for immature hematopoietic stem cell subsets. Belongs to the tetraspanin web involved in tumor progression and metastasis.,PTM:A soluble form may also be produced by proteolytic cleavage at the cell surface (shedding). Another peptide of 80 kDa (p80) is present in cultured keratinocytes probably due to tryptic cleavage at an unidentified site on its N-terminal side. Converted to p80 by plasmin, a trypsin-like protease.,PTM:N-glycosylated.,PTM:Phosphorylated on tyrosine by kinases of the SRC family such as SRC and YES as well as by the protein kinase C gamma/PRKCG. Dephosphorylated by phosphotyrosine phosphatases. Also phosphorylated by suramin, a heparin analog. Tyrosine phosphorylated in response to dissociation of integrin alpha-6 beta-4 from laminin-5.,similarity:Contains 1 CUB domain.,subcellular location:Shedding may also lead to a soluble peptide.,subunit:Interacts with CDH2/N-cadherin, CDH3/P-cadherin, SDC1/syndecan-1, SDC4/syndecan-4 and the serine protease ST14/MT-SP1. Also interacts with SRC and PRKCG/protein kinase C gamma.,tissue specificity:Highly expressed in mitotic cells with low expression during interphase. Detected at highest levels in skeletal muscle and colon with lower levels in kidney, small intestine, placenta and lung. Up-regulated in a number of human tumor cell lines, as well as in colorectal cancer, breast carcinoma and lung cancer. Also expressed in cells with phenotypes reminiscent of mesenchymal stem cells and neural stem cells.,

Research Area

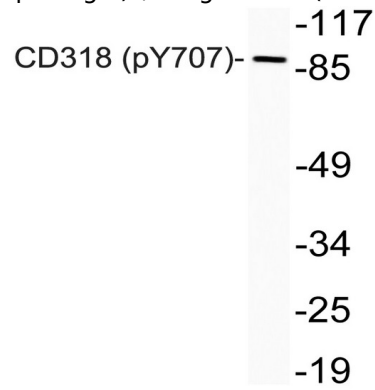
Image Data



Product Name: CD318 (phospho Tyr707) Rabbit Polyclonal Antibody
Catalog #: APRab04400



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using CD318 (Phospho-Tyr707) Antibody



Western blot analysis of lysates from Jurkat cells, using phospho-CD318 (Phospho-Tyr707) antibody.

Note

For research use only.