

Talin (Phospho Ser425) rabbit pAb

Catalog No :	YP1523
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	Talin
Fields :	>>Rap1 signaling pathway;>>Focal adhesion;>>Platelet activation;>>Shigellosis;>>Human T-cell leukemia virus 1 infection
Gene Name :	TLN1 KIAA1027 TLN
Protein Name :	Talin (Ser425)
Human Gene Id :	7094
Human Swiss Prot No :	Q9Y490
Mouse Gene Id :	21894
Mouse Swiss Prot No :	P26039
Immunogen :	Synthesized phospho peptide around human Talin (Ser425)
Specificity :	This antibody detects endogenous levels of Human Mouse Rat Talin (phospho-Ser425)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 269kD

Cell Pathway : Focal adhesion;

Background : This gene encodes a cytoskeletal protein that is concentrated in areas of cell-substratum and cell-cell contacts. The encoded protein plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. It codistributes with integrins in the cell surface membrane in order to assist in the attachment of adherent cells to extracellular matrices and of lymphocytes to other cells. The N-terminus of this protein contains elements for localization to cell-extracellular matrix junctions. The C-terminus contains binding sites for proteins such as beta-1-integrin, actin, and vinculin. [provided by RefSeq, Feb 2009],

Function : function:Probably involved in connections of major cytoskeletal structures to the plasma membrane. High molecular weight cytoskeletal protein concentrated at regions of cell-substratum contact and, in lymphocytes, at cell-cell contacts.,similarity:Contains 1 FERM domain.,similarity:Contains 1 I/LWEQ domain.,subcellular location:Colocalizes with LAYN at the membrane ruffles.,subunit:Binds with high affinity to vinculin and with low affinity to integrins. Interacts with PIP5K1C and NRAP. Interacts with LAYN. Interacts with SYNM.,

Subcellular Location : Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytoskeleton . Cell surface . Cell junction, focal adhesion . Colocalizes with LAYN at the membrane ruffles. Localized preferentially in focal adhesions than fibrillar adhesions (By similarity) .

Expression : Aorta,Brain,Embryonic carcinoma,Platelet,

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