

SSH3 (Phospho Ser37) rabbit pAb

Catalog No :	YP1511
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	SSH3
Fields :	>>Axon guidance;>>Regulation of actin cytoskeleton
Gene Name :	SSH3 SSH3L
Protein Name :	SSH3 (Ser37)
Human Gene Id :	54961
Human Swiss Prot No :	Q8TE77
Mouse Gene Id :	245857
Mouse Swiss Prot No :	Q8K330
Rat Gene Id :	365396
Rat Swiss Prot No :	Q5XIS1
Immunogen :	Synthesized phospho peptide around human SSH3 (Ser37)
Specificity :	This antibody detects endogenous levels of Human SSH3 (phospho-Ser37)
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 : 74kD

Cell Pathway : Regulates Actin and Cytoskeleton;

Background : The ADF (actin-depolymerizing factor)/cofilin family (see MIM 601442) is composed of stimulus-responsive mediators of actin dynamics. ADF/cofilin proteins are inactivated by kinases such as LIM domain kinase-1 (LIMK1; MIM 601329). The SSH family appears to play a role in actin dynamics by reactivating ADF/cofilin proteins in vivo (Niwa et al., 2002 [PubMed 11832213]).[supplied by OMIM, Mar 2008],

Function : catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Protein phosphatase which may play a role in the regulation of actin filament dynamics. Can dephosphorylate and activate the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly.,miscellaneous:Tyrosine phosphatase activity has not been demonstrated for this protein to date.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein-tyrosine phosphatase family.,similarity:Contains 1 tyrosine-protein phosphatase domain.,subunit:Does not bind to, or colocalize with, filamentous actin.,

Subcellular Location : Cytoplasm, cytoskeleton . Nucleus .

Expression : Cerebellum,Epithelium,Ovarian carcinoma,Uterus,

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