SSH3 (phospho-Ser37) rabbit pAb

Catalog No	YP-Ab-14619
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SSH3 SSH3L
Immunogen	Synthesized phosho 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
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SSH3L;SSH like protein 3;SSH 3L;SSH 3;hSSH 3L;SSH3;SSH3 SSH3L;SSH3 (Ser37);Protein phosphatase Slingshot homolog 3 (EC 3.1.3.16) (EC 3.1.3.48) (SSH-like protein 3) (SSH-3L) (hSSH-3L)
Observed Band	90-95 kDa
Calculated Molecular Weight	659 aa, 73 kDa
Cell Pathway	Cytoplasm, cytoskeleton . Nucleus .
Tissue Specificity	Cerebellum,Epithelium,Ovarian carcinoma,Uterus,
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.,

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],
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.

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