

**SSH3 (Phospho Ser37) rabbit pAb**

|                              |   |
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| <b>Catalog No :</b>          | YP1511  |
| <b>Reactivity :</b>          | Human;Rat;Mouse;  |
| <b>Applications :</b>        | WB  |
| <b>Target :</b>              | SSH3  |
| <b>Fields :</b>              | >>Axon guidance;>>Regulation of actin cytoskeleton                              |
| <b>Gene Name :</b>           | SSH3 SSH3L  |
| <b>Protein Name :</b>        | SSH3 (Ser37)  |
| <b>Human Gene Id :</b>       | 54961   |
| <b>Human Swiss Prot No :</b> | Q8TE77  |
| <b>Mouse Gene Id :</b>       | 245857  |
| <b>Mouse Swiss Prot No :</b> | Q8K330  |
| <b>Rat Gene Id :</b>         | 365396  |
| <b>Rat Swiss Prot No :</b>   | Q5XIS1  |
| <b>Immunogen :</b>           | Synthesized phospho peptide around human SSH3 (Ser37)                           |
| <b>Specificity :</b>         | This antibody detects endogenous levels of Human SSH3 (phospho-Ser37)           |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:1000-2000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit serum by affinity-chromatography |

using specific immunogen.

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**Concentration :** 1 mg/ml

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

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**Observed Band :** 74kD

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**Cell Pathway :** Regulates Actin and Cytoskeleton;

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**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],

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**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.,

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**Subcellular Location :** Cytoplasm, cytoskeleton . Nucleus .

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**Expression :** Cerebellum,Epithelium,Ovarian carcinoma,Uterus,

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