



SSH3 Monoclonal Antibody

Catalog No	YP-mAb-15003
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SSH3
Protein Name	Protein phosphatase Slingshot homolog 3
Immunogen	The antiserum was produced against synthesized peptide derived from human SSH3. AA range:357-406
Specificity	SSH3 Monoclonal Antibody detects endogenous levels of SSH3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SSH3; SSH3L; Protein phosphatase Slingshot homolog 3; SSH-like protein 3; SSH-3L; hSSH-3L
Observed Band	74kD
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



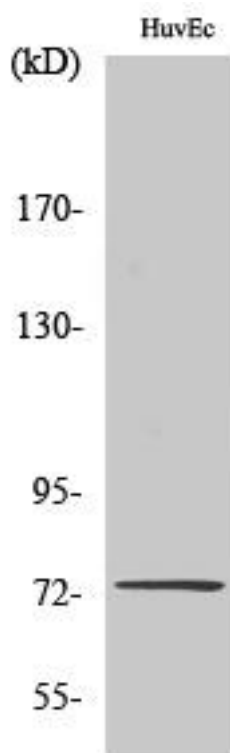
ADF/cofilin proteins in vivo (Niwa et al., 2002 [PubMed 11832213]).[supplied by OMIM, Mar 2008],

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.

Products Images

Western Blot analysis of various cells using SSH3 Monoclonal Antibody