



SSH3 Polyclonal Antibody

Catalog No	YP-Ab-15003
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	SSH3
Immunogen	The antiserum was produced against synthesized peptide derived from human SSH3. AA range:357-406
Specificity	SSH3 Polyclonal Antibody detects endogenous levels of SSH3 protein.
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 antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
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;Protein phosphatase Slingshot homolog 3;SSH-like protein 3;SSH-3L;hSSH-3L
Observed Band	74kD
Calculated Molecular Weight	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

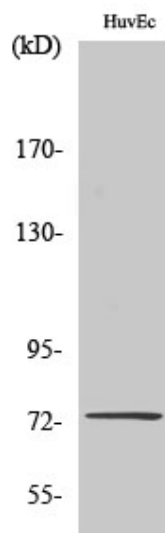
Avoid repeated freezing and thawing!

Usage suggestions

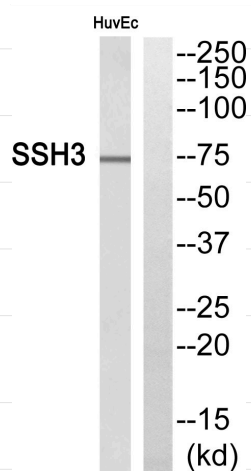
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



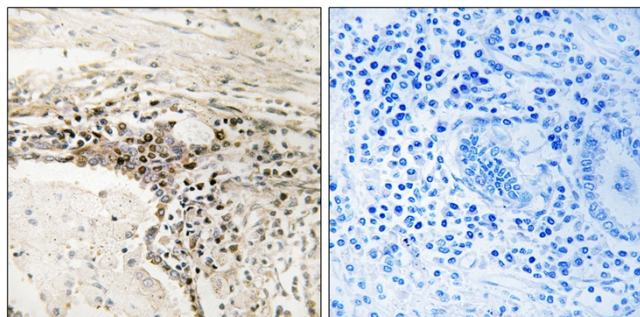
Products Images



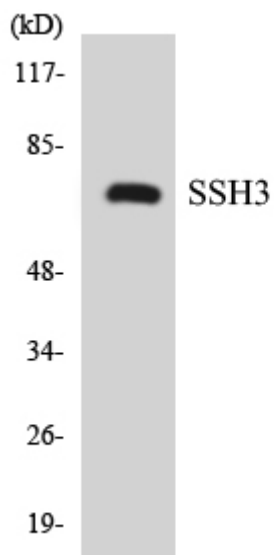
Western Blot analysis of various cells using SSH3 Polyclonal Antibody



Western blot analysis of SSH3 Antibody. The lane on the right is blocked with the SSH3 peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using SSH3 Antibody. The lane on the right is blocked with the SSH3 peptide.



Western blot analysis of the lysates from K562 cells using SSH3 antibody.