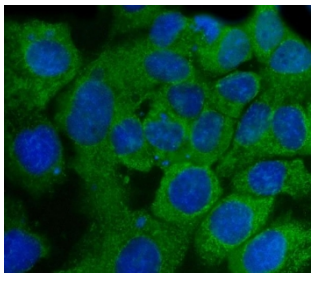
SSH3BP1 Antibody / ABI1 (R32280)

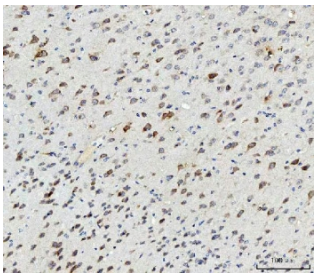
Catalog No.	Formulation	Size
R32280	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

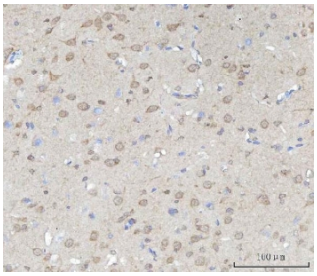
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8IZP0
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/10^6 cells Immunofluorescence: 5ug/ml
Limitations	This SSH3BP1 antibody is available for research use only.



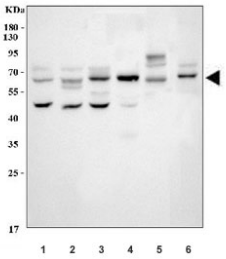
Immunofluorescent staining of FFPE human A431 cells with SSH3BP1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



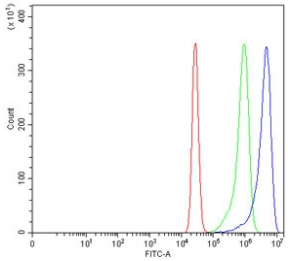
IHC testing of FFPE mouse brain with SSH3BP1 antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat brain with SSH3BP1 antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to staining.



Western blot testing of 1) human 293T, 2) human MCF7, 3) human U-87 MG, 4) rat brain, 5) rat C6 and 6) mouse brain lysate with SSH3BP1 antibody. Predicted molecular weight ~55 kDa, commonly observed at 55-65 kDa.



Flow cytometry testing of human K562 cells with SSH3BP1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SSH3BP1 antibody.

Description

SSH3BP1 is also known as ABI1. ABI1 is a human homolog of mouse Abl-interactor-1 (Abi1), mapped on 10p11.2. ABI1 participates in the transduction of signals from Ras to Rac by regulating Rac-specific guanine nucleotide exchange factor (GEF) activities. It dramatically promoted ABL1-mediated tyrosine phosphorylation of MENA, but not of other substrates. Abi-1 regulates c-Abl-mediated phosphorylation of Mena by interacting with both proteins. ABI1 plays a role in the leukemogenesis by translocating to MLL.

Application Notes

Optimal dilution of the SSH3BP1 antibody should be determined by the researcher.

Immunogen

Amino acids HGVKWLKAKHGNNQPARTGTLSRTN of human SSH3BP1 were used as the immunogen for the SSH3BP1 antibody.

Storage

After reconstitution, the SSH3BP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.

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