

SSH3BP1 Polyclonal Antibody | anti-SSH3BP1 antibody

Anti-SSH3BP1 Antibody

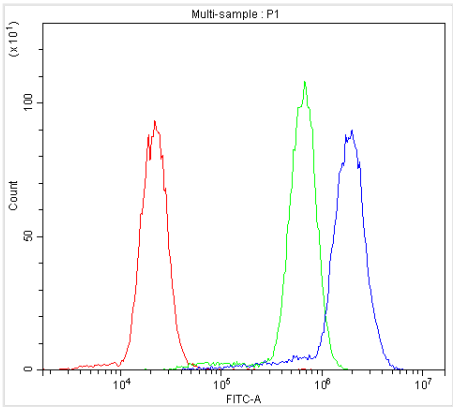
CATALOG # AAA11656	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

SSH3BP1; Polyclonal Antibody; Anti-SSH3BP1 Antibody; Abl interactor 1; Abelson interactor 1; ABI 1; Abi-1; ABI1; ABI1_HUMAN; Abl binding protein 4; Abl interactor protein 1; Abl interactor protein 1 long; Abl-binding protein 4; AblBP4; Ablphilin 1; E3B1; Eps8 binding protein; Eps8 SH3 domain binding protein; Eps8 SH3 domain-binding protein; Eps8-binding protein; Hssh3bp1; Interactor protein AblBP4; NAP1; Nap1 binding protein; Nap1-binding protein; NAP1BP; Spectrin SH3 domain binding protein 1; Spectrin SH3 domain-binding protein 1; SSH3BP; abl-interactor 1; anti-SSH3BP1 antibody

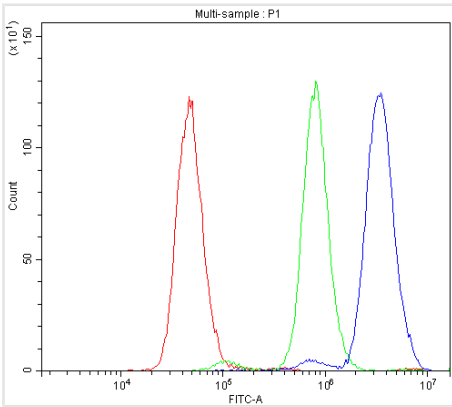
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	481
Applicable Applications for anti-SSH3BP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot Concentration: 0.1-0.5ug/ml Immunohistochemistry (IHC) Paraffin Concentration: 0.5-1ug/ml
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SSH3BP1 (151-175aa HGVKWLKAKHGNNQPARTGTLRTN), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



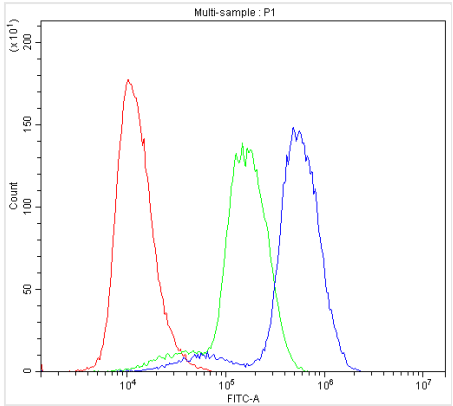
FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of U-87 cells using anti-SSH3BP1 antibody (AAA11656).Overlay histogram showing U-87 cells stained with AAA11656 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SSH3BP1 Antibody (AAA11656,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



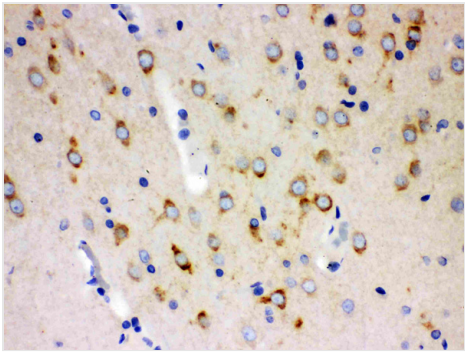
FCM (Flow Cytometry)

Figure 5. Flow Cytometry analysis of Neuro-2a cells using anti-SSH3BP1 antibody (AAA11656).Overlay histogram showing Neuro-2a cells stained with AAA11656 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SSH3BP1 Antibody (AAA11656,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



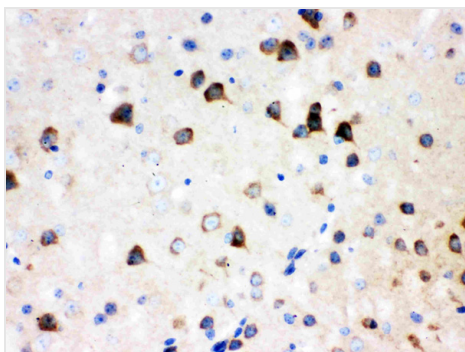
FCM (Flow Cytometry)

Figure 4. Flow Cytometry analysis of U937 cells using anti-SSH3BP1 antibody (AAA11656).Overlay histogram showing U937 cells stained with AAA11656 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SSH3BP1 Antibody (AAA11656,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



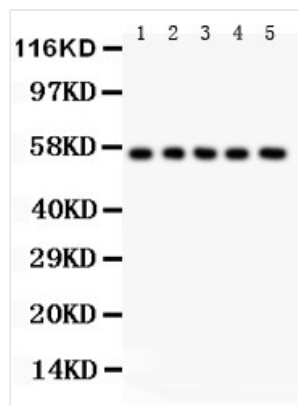
IHC (Immunohistochemistry)

Figure 3. IHC analysis of SSH3BP1 using anti-SSH3BP1 antibody (AAA11656). SSH3BP1 was detected in paraffin-embedded section of Rat Brain Tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-SSH3BP1 Antibody (AAA11656) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of SSH3BP1 using anti-SSH3BP1 antibody (AAA11656). SSH3BP1 was detected in paraffin-embedded section of Mouse Brain Tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-SSH3BP1 Antibody (AAA11656) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of SSH3BP1 using anti-SSH3BP1 antibody (AAA11656). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: Rat Liver Tissue Lysate Lane 2: Rat Testis Tissue Lysate Lane 3: HELA Whole Cell Lysate Lane 4: RH35 Whole Cell Lysate Lane 5: HEPA Whole Cell Lysate After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SSH3BP1 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SSH3BP1 at approximately 55KD. The expected band size for SSH3BP1 is at 55KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SSH3BP1 antibody	Description: Rabbit IgG polyclonal antibody for Abl interactor 1(ABI1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: 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.
References	1. Tani, K.; Sato, S.; Sukezane, T.; Kojima, H.; Hirose, H.; Hanafusa, H.; Shishido, T. : Abl interactor 1 promotes tyrosine 296 phosphorylation of mammalian Enabled (Mena) by c-Abl kinase. J. Biol. Chem. 278: 21685-21692, 2003. 2. Taki, T.; Shibuya, N.; Taniwaki, M.; Hanada, R.; Morishita, K.; Bessho, F.; Yanagisawa, M.; Hayashi, Y. : ABI-1, a human homolog to mouse Abl-interactor 1, fuses the MLL gene in acute myeloid leukemia with t(10;11)(p11.2;q23). Blood 92: 1125-1130, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61743944
NCBI GeneID	10006
NCBI Accession #	NP_001012768.1
NCBI GenBank Nucleotide #	NM_001012750.2
UniProt Accession #	Q8IZP0; O15147; O76049; O95060; Q5T2R3; Q5T2R4; Q5T2R6; Q5T2R7; A9Z1Y6; B3KX62; B4DQ58; H7BXI6
Molecular Weight	53,912 Da
NCBI Official Full Name	abl interactor 1 isoform b
NCBI Official Synonym Full Names	abl interactor 1
NCBI Official Symbol	ABI1

NCBI Official Synonym Symbols	E3B1; ABI-1; ABLBP4; NAP1BP; SSH3BP; SSH3BP1
NCBI Protein Information	abl interactor 1
UniProt Protein Name	Abl interactor 1
UniProt Gene Name	ABI1
UniProt Synonym Gene Names	SSH3BP1; Abi-1; AblBP4; Eps8-binding protein; Nap1BP
UniProt Entry Name	ABI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ssh3bp1-antibody-western-blot-immunohistochemistry-elisa/11656>