

Rabbit SHARPIN Polyclonal Antibody | anti-SHARPIN antibody

Anti-SHARPIN Antibody Picoband

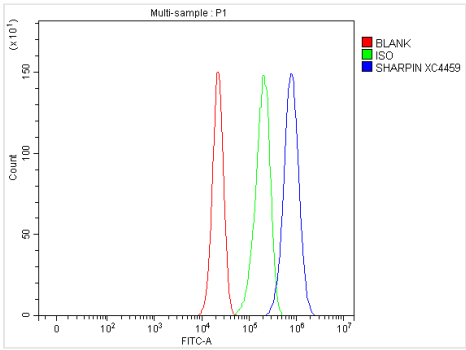
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128208	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SHARPIN; Polyclonal Antibody; Anti-SHARPIN Antibody Picoband; Sharpin; SHANK associated RH domain interactor; SIPL1; PSEC0216; Shank-associated RH domain-interacting protein; Shank-interacting protein-like 1; hSIPL1; anti-SHARPIN antibody

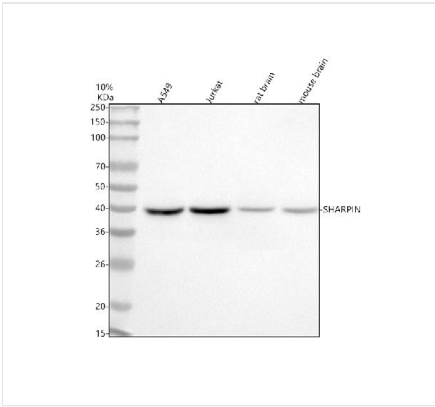
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-SHARPIN antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human SHARPIN recombinant protein (Position: H25-R325). Human SHARPIN shares 72.3% and 72.6% amino acid (aa) sequence identity with mouse and rat SHARPIN, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



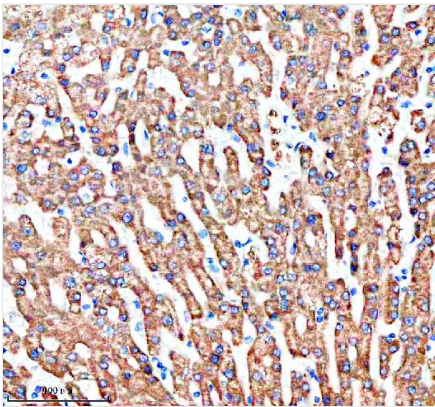
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of A549 cells using anti-SHARPIN antibody (AAA128208).Overlay histogram showing A549 cells stained with AAA128208 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SHARPIN Antibody (AAA128208, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of SHARPIN using anti-SHARPIN antibody (AAA128208).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 30 ug of sample under reducing conditions.Lane 1: human A549 whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: rat brain tissue lysates,Lane 4: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-SHARPIN antigen affinity purified polyclonal antibody (AAA128208) 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 1:5000 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 SHARPIN at approximately 40 kDa. The expected band size for SHARPIN is at 40 kDa.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of SHARPIN using anti-SHARPIN antibody (AAA128208).SHARPIN was detected in a paraffin-embedded section of human liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-SHARPIN Antibody (AAA128208) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-SHARPIN antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-SHARPIN antibody	Primary Antibodies

References	1. Ang, R. L., Chan, M., Legarda, D., Sundberg, J. P., Sun, S. C., Gillespie, V. L., Chun, N., Heeger, P. S., Xiong, H., Lira, S. A., Ting, A. T. Immune dysregulation in SHARPIN-deficient mice is dependent on CYLD-mediated cell death. Proc. Nat. Acad. Sci. 118: e2001602118, 2021.2. Daigo, Y., Takayama, I., Ward, S. M., Sanders, K. M., Fujino, M. A. Novel human and mouse genes encoding a shank-interacting protein and its upregulation in gastric fundus of W/W(v) mouse. J. Gastroent. Hepatol. 18: 712-718, 2003.3. Gerlach, B., Cordier, S. M., Schmukle, A. C., Emmerich, C. H., Rieser, E., Haas, T. L., Webb, A. I., Rickard, J. A., Anderton, H., Wong, W. W.-L., Nachbur, U., Gangoda, L., Warnken, U., Purcell, A. W., Silke, J., Walczak, H. Linear ubiquitination prevents inflammation and regulates immune signalling. Nature 471: 591-596, 2011.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118918415
NCBI GeneID	81858
NCBI Accession #	NP_112236.3
NCBI GenBank Nucleotide #	NM_030974.3
UniProt Accession #	Q9H0F6; Q8IXF5; Q8IXF6; Q8N2E7; Q8TB25; Q9BUE4; A6NEG3; C0L3L2; D3DWL3
Molecular Weight	39,949 Da
NCBI Official Full Name	sharpin
NCBI Official Synonym Full Names	SHANK-associated RH domain interactor
NCBI Official Symbol	SHARPIN
NCBI Official Synonym Symbols	SIPL1
NCBI Protein Information	sharpin; hSIPL1; shank-interacting protein-like 1; shank-associated RH domain-interacting protein
UniProt Protein Name	Sharpin
UniProt Gene Name	SHARPIN
UniProt Synonym Gene Names	SIPL1; hSIPL1
UniProt Entry Name	SHRPN_HUMAN

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