

Rabbit SHARPIN Polyclonal Antibody | anti-SHARPIN antibody

SHARPIN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322834	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

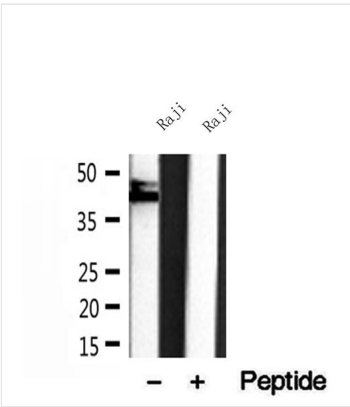
PRODUCT SYNONYMS

SHARPIN; Polyclonal Antibody; SHARPIN Antibody; DKFZp434N1923; hSIPL1; Shank associated RH domain interacting protein; SHANK associated RH domain interactor; Shank interacting protein like 1; Shank-associated RH domain-interacting protein; Shank-interacting protein-like 1; Sharpin; SHRPN_HUMAN; SIPL1; anti-SHARPIN antibody

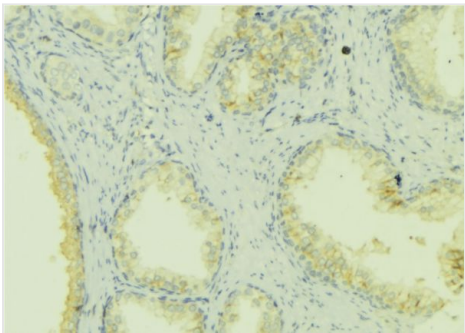
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SHARPIN antibody detects endogenous levels of SHARPIN.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	387
Applicable Applications for anti-SHARPIN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SHARPIN.
Subcellular Location	Cytoplasm. Enriched at synaptic sites in mature neurons where it colocalizes with SHANK1.
Tissue Specificity	Highly expressed in skeletal muscle and placenta and at lower levels in brain, heart, colon without mucosa, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes. Up-regulated in various tumor tissues such as kidney, liver, ovary and pancreas tumors.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of Raji cells, using SHARPIN antibody.



IHC (Immunohistochemistry)
AAA322834 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SHARPIN antibody	Function: Component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is proposed to be recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Together with FAM105B/otulin, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis. Subunit Structure: Monomer and homodimer. Component of the LUBAC complex (linear ubiquitin chain assembly complex) which consists of SHARPIN, RBCK1 and RNF31. LUBAC has a MW of approximately 600 kDa suggesting a heteromultimeric assembly of its subunits. Associates with the TNF-R1 signaling complex (TNF-RSC) in a stimulation-dependent manner. Interacts with EYA1, EYA2, SHANK1 and SHANK3 (via ANK repeats). Similarity: The Ubiquitin-like domain is required for the interaction with RNF31. The RanBP2-type zinc fingers mediate the specific interaction with ubiquitin. Binds preferentially linear polyubiquitin chains and 'Lys-63'-linked polyubiquitin chains over 'Lys-48'-linked polyubiquitin chains. Also binds monoubiquitin.
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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	Observed: 40 kDa Predicted: 40 kDa
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
UniProt Protein Name	Sharpin
UniProt Gene Name	SHARPIN

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/sharpin-antibody-immunohistochemistry-western-blot-elisa/322834>