

Rabbit Sirp alpha1 Polyclonal Antibody | anti-Sirp alpha1 antibody

Sirp alpha1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303008	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

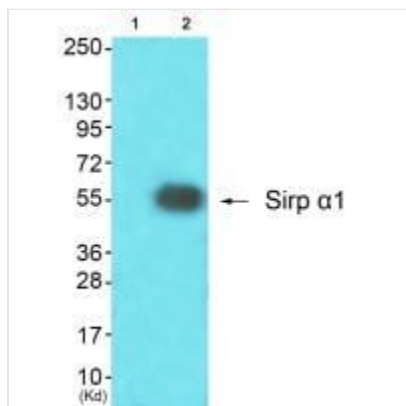
PRODUCT SYNONYMS

Sirp alpha1; Polyclonal Antibody; Sirp alpha1 Antibody; Sirp a1 Antibody; Bit; MFR; MYD-1 antigen; MYD1; Macrophage fusion receptor; anti-Sirp alpha1 antibody

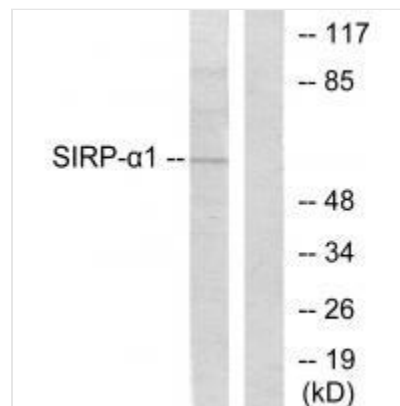
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total Sirp a1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	504
Applicable Applications for anti-Sirp alpha1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human SIRP-alpha1.
Target Name	Sirp a1
Preparation and Storage	Store at -20 degree C

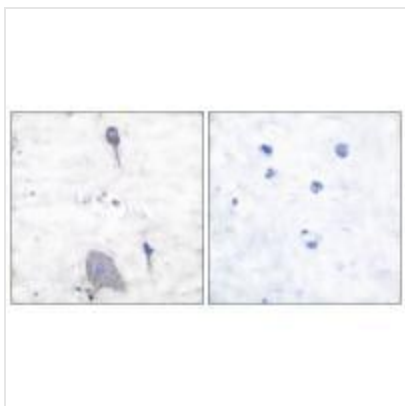
IMAGES


WB (Western Blot)

Western blot analysis of extracts from colo cells (Lane 2), using Sirp a1 antibody. The lane on the left is treated with synthesized peptide.


WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using Sirp a1 antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human brain tissue using Sirp a1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Sirp alpha1 antibody	Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function By similarity. Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.Kentaro Ide, PNAS, Mar 2007; 104: 5062 - 5066. Thomas T. Chen, Cancer Res., Jan 2004; 64: 117 - 127. Shu Q. Liu, J. Biol. Chem., Nov 2005; 280: 39294 - 39301. Gurpreet S. Kapoor, Cancer Res., Sep 2004; 64: 6444 - 6452.
Product Categories/Family for anti-Sirp alpha1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	91105764
NCBI GeneID	140885
NCBI Accession #	NP_001035111.1
NCBI GenBank Nucleotide #	NM_001040022.1
UniProt Accession #	P78324 ; O00683 ; O43799 ; Q8N517 ; Q8TAL8 ; Q9H0Z2 ; Q9UDX2 ; Q9UIJ6 ; Q9Y4U9 ; A2A2E1 ; A8K411 ; B2R6C3
Molecular Weight	54,852 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type substrate 1
NCBI Official Synonym Full Names	signal-regulatory protein alpha
NCBI Official Symbol	SIRPA
NCBI Official Synonym Symbols	BIT; MFR; P84; SIRP; MYD-1; SHPS1; CD172A; PTPNS1
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type substrate 1
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type substrate 1
UniProt Gene Name	SIRPA
UniProt Synonym Gene Names	BIT; MFR; MYD1; PTPNS1; SHPS1; SIRP; SHP substrate 1; SHPS-1; Bit; Sirp-alpha-1; Sirp-alpha-2; Sirp-alpha-3
UniProt Entry Name	SHPS1_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/sirp-alpha1-antibody-immunohistochemistry-western-blot-elisa/303008>