

Rabbit anti-Rat SIRP alpha Polyclonal Antibody | anti-SIRPA antibody

Anti-SIRP alpha Antibody, Rabbit Polyclonal

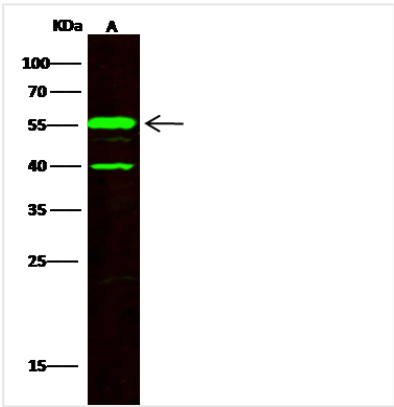
CATALOG # AAA257311	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

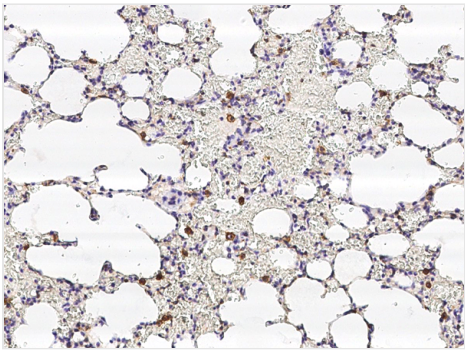
SIRP alpha; Polyclonal Antibody; Anti-SIRP alpha Antibody; Rabbit Polyclonal; SIRP alpha/CD172a Antibody; Rabbit PAb; Antigen Affinity Purified; signal-regulatory protein alpha; anti-SIRPA antibody

PRODUCT SPECIFICATIONS

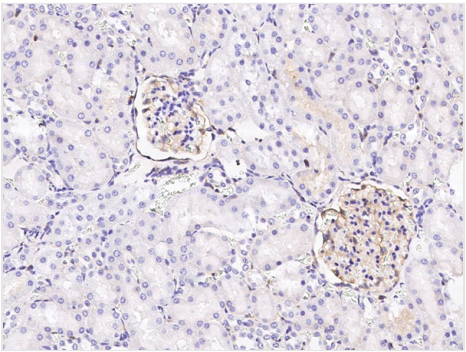
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat SIRP alpha/CD172a
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SIRPA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat SIRP alpha/CD172a protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat SIRP alpha/CD172a. SIRP alpha/CD172a specific IgG was purified by Rat SIRP alpha/CD172a affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-SIRPA rabbit polyclonal antibody at 1:500 dilution Lane A: NIH-3T3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 55 kDa Observed band size: 55 kDa (We are unsure as to the identity of these extra bands).



IHC (Immunohistochemistry)
Immunochemical staining of rat SIRPA in rat lung with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of rat SIRPA in rat kidney with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-SIRPA antibody	Tyrosine-protein phosphatase non-receptor type substrate 1, also known as SHP substrate 1, Inhibitory receptor SHPS-1, Brain Ig-like molecule with tyrosine-based activation motifs, Macrophage fusion receptor, CD172 antigen-like family member A, SIRPA and CD172a, is a single-pass type I membrane protein which contains two Ig-like C1-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. SIRPA is ubiquitously expressed. It is highly expressed in brain and detected at lower levels in heart, placenta, lung, testis, ovary, colon, liver, small intestine, prostate, spleen, kidney, skeletal muscle and pancreas. It is also detected on myeloid cells, but not T-cells. SIRPA is an immunoglobulin-like cell surface receptor for CD47. SIRPA acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. SIRPA supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. It may play a key role in intracellular signaling during synaptogenesis and in synaptic function. SIRPA is involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. It mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation.
Product Categories/Family for anti-SIRPA antibody	Cancer Drug Targets
References	Timms JF. et al., 1999, Curr Biol. 9: 927-30. Stofega MR. et al., 2000, J Biol Chem. 275: 28222-9. Liu T. et al., 2005, J Proteome Res. 4: 2070-80. Wolf-Yadlin A. et al., 2007, Proc Natl Acad Sci. 104: 5860-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543529
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NCBI GeneID	25528
NCBI Accession #	NP_037148.2
NCBI GenBank Nucleotide #	NM_013016.2
UniProt Accession #	P97710 ; O08951 ; O70426 ; Q9QWI5
Molecular Weight	55,691 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; Ptpns1; SHPS-1
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; Ptpns1; Shps1; Sirp; SHP substrate 1; SHPS-1; Bit; Sirp-alpha-1
UniProt Entry Name	SHPS1_RAT

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://www.aaabiotech.com/polyclonal/sirp-alpha-antibody-immunohistochemistry-western-blot-elisa/257311>