

Product datasheet for **TA381503**

SIRP alpha (SIRPA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 395-504 of human CD172a/SIRP α (NP_542970.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	54kDa/55kDa
Gene Name:	signal regulatory protein alpha
Database Link:	Entrez Gene 140885 Human P78324



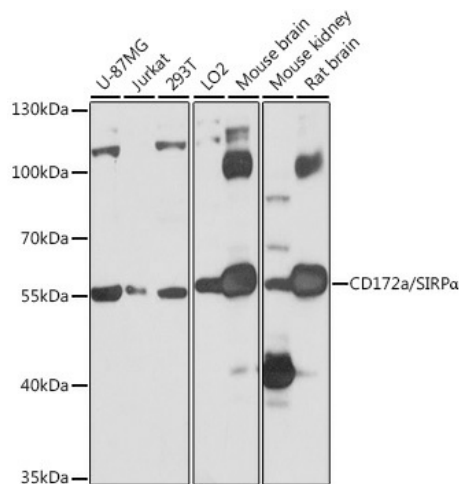
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Background:

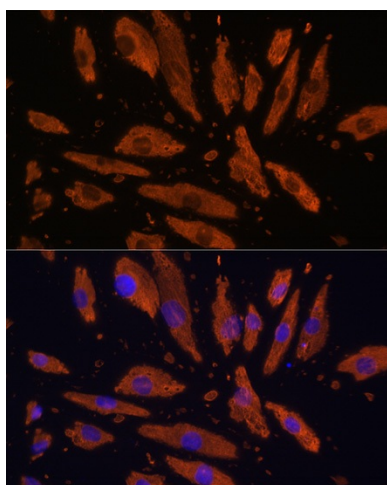
The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located in close proximity to each other on chromosome 20p13. Multiple alternatively spliced transcript variants have been determined for this gene.

Synonyms:

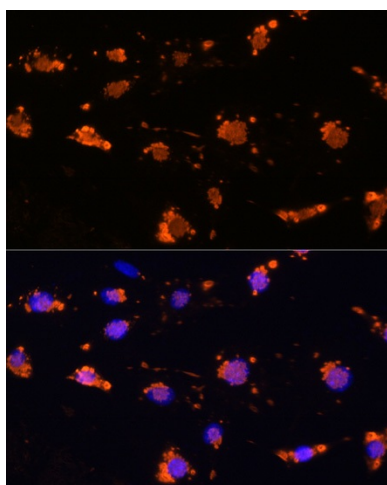
BIT; CD172A; MFR; MYD-1; MYD1; p84; PTPNS1; SHPS-1; SHPS1; SIRP; SIRP-ALPHA-1; Sirp-alpha-2; Sirp-alpha-3; SIRPalha; SIRPalha2

Product images:


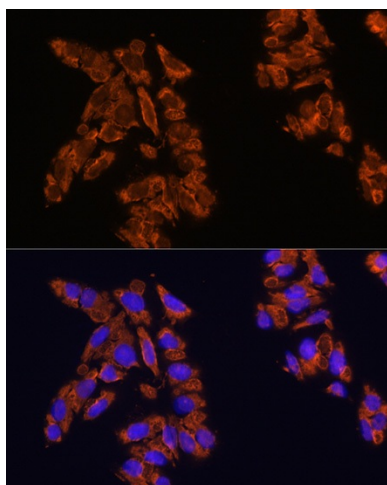
Western blot analysis of extracts of various cell lines, using CD172a/SIRPα antibody (TA381503) at 1:1000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit . |Exposure time: 1s.



Immunofluorescence analysis of H9C2 cells using CD172a/SIRP α Rabbit pAb (TA381503) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using CD172a/SIRP α Rabbit pAb (TA381503) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using CD172a/SIRP α Rabbit pAb (TA381503) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.