SIRPB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SIRPB1, Polyclonal Antibody
Full Product Name	SIRPB1, ID (SIRPB1, Signal-regulatory protein beta-1, CD172 antigen-like family member B, CD172b) (MaxLight 550)
Product Gene Name	anti-SIRPB1 antibody
Product Synonym Names	SIRPB1; Signal-regulatory protein beta-1; CD172 antigen-like family member B; CD172b
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	43,211 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (1545029..1600689, complement). Location: 20p13
OMIM	603889
3D Structure	ModBase 3D Structure for O00241
Immunogen	SIRPB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-134 amino acids from the Central region of human SIRPB1.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-SIRPB1 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-SIRPB1 antibody	Western Blot (WB), FLISA
Application Notes for anti-SIRPB1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SIRPB1 antibody	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 was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

Product References and Citations for anti-SIRPB1 antibody	Gaikwad, S., et al. Am. J. Pathol. 175(6):2528-2539(2009). Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009). Martins-de-Souza, D., et al. J Neural Transm 116(3):275-289(2009). Lamesch, P., et al. Genomics 89(3):307-315(2007). van den Berg, T.K., et al. J. Immunol. 175(12):7788-7789(2005).
Other Notes	Small volumes of anti-SIRPB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SIRPB1 purchase	MBS6347754 is an antibody targeting SIRPB1. Also known as SIRPB1, ID (SIRPB1, Signal-regulatory protein beta-1, CD172 antigen-like family member B, CD172b) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SIRPB1. It may not necessarily be applicable to this product.

NCBI GI #	144953878
NCBI GeneID	10326
NCBI Accession #	NP_001077379.1
UniProt Primary Accession #	O00241
UniProt Secondary Accession #	Q5TFQ9; Q5TFR0; Q8TB12; Q9H1U5; Q9Y4V0; A6NLM2; B2R8V0
UniProt Related Accession #	O00241; Q5TFQ8
GenBank Nucleotide #	NM_001083910.2
NCBI Official Full Name	signal-regulatory protein beta-1 isoform 2
NCBI Official Synonym Full Names	signal-regulatory protein beta 1
NCBI Official Symbol	SIRPB1
NCBI Official Synonym Symbols	CD172b; SIRP-BETA-1
UniProt Protein Name	Signal-regulatory protein beta-1
UniProt Synonym Protein Names	CD172 antigen-like family member B
Protein Family	Signal-regulatory protein
UniProt Gene Name	SIRPB1
UniProt Synonym Gene Names	SIRP-beta-1
UniProt Entry Name	SIRB1_HUMAN
NCBI Protein Information	signal-regulatory protein beta-1; CD172 antigen-like family member B
NCBI Summary for SIRPB1	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 was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]

UniProt Comments for SIRPB1	SIRPB1: Immunoglobulin-like cell surface receptor involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Participates also in the recruitment of tyrosine kinase SYK. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 20p13 Cellular Component: integral to plasma membrane; integral to membrane; plasma membrane Molecular Function: protein binding Biological Process: cell surface receptor linked signal transduction; innate immune response; signal transduction
Research Articles on SIRPB1	**1.** A protein encoded by this locus was found to be differentially expressed in postmortem brains from patients with atypical frontotemporal lobar degeneration.
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