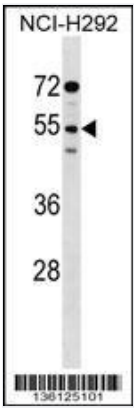
SIRPG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SIRPG, Polyclonal Antibody
Full Product Name	SIRPG, ID (SIRPG, SIRPB2, Signal-regulatory protein gamma, CD172 antigen-like family member B, Signal-regulatory protein beta-2, CD172g) (APC)
Product Gene Name	anti-SIRPG antibody
Product Synonym Names	SIRPG; SIRPB2; Signal-regulatory protein gamma; CD172 antigen-like family member B; Signal-regulatory protein beta-2; CD172g
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 Allophycocyanin (APC).
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	42,498 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (1609798..1638425, complement). Location: 20p13
OMIM	605466
3D Structure	ModBase 3D Structure for Q9P1W8
Immunogen	SIRPG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-221 amino acids from the Central region of human SIRPG.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SIRPG antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-SIRPG antibody	Western Blot (WB), FLISA
Application Notes for anti-SIRPG antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SIRPG 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. Alternatively spliced transcript variants encoding different isoforms have been described.

Product References and Citations for anti-SIRPG antibody	Barrett, J.C., et al. Nat. Genet. 41(6):703-707(2009). Kawasaki, M., et al. Clin. Exp. Rheumatol. 27(2):260-266(2009). Stefanidakis, M., et al. Blood 112(4):1280-1289(2008). Lamesch, P., et al. Genomics 89(3):307-315(2007). Barclay, A.N., et al. Nat. Rev. Immunol. 6(6):457-464(2006).
Other Notes	Small volumes of anti-SIRPG 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 SIRPG purchase	MBS6347781 is an antibody targeting SIRPG. Also known as SIRPG, ID (SIRPG, SIRPB2, Signal-regulatory protein gamma, CD172 antigen-like family member B, Signal-regulatory protein beta-2, CD172g) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SIRPG antibody
SIRPG Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the SIRPG antibody detected the SIRPG protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	94538337
NCBI GeneID	55423
NCBI Accession #	NP_543006.2
NCBI Related Accession #	NP_001034597.1
UniProt Primary Accession #	Q9P1W8
UniProt Secondary Accession #	Q5D051; Q5JV25; Q5MKL4; Q8WWA5; Q9NQK8; B1AKP6
UniProt Related Accession #	Q9P1W8
GenBank Nucleotide #	NM_080816.2
NCBI Official Full Name	signal-regulatory protein gamma isoform 2
NCBI Official Synonym Full Names	signal-regulatory protein gamma
NCBI Official Symbol	SIRPG
NCBI Official Synonym Symbols	CD172g; SIRPB2; SIRP-B2; FLJ42230; bA77C3.1; SIRPgamma
UniProt Protein Name	Signal-regulatory protein gamma
UniProt Synonym Protein Names	CD172 antigen-like family member B; Signal-regulatory protein beta-2
Protein Family	Signal-regulatory protein
UniProt Gene Name	SIRPG
UniProt Synonym Gene Names	SIRPB2; SIRP-gamma; SIRP-b2; SIRP-beta-2

UniProt Entry Name	SIRPG_HUMAN
NCBI Protein Information	signal-regulatory protein gamma; SIRP-gamma; SIRP beta 2; SIRP-beta-2; CD172g antigen; OTTHUMP00000029998; OTTHUMP00000029999; OTTHUMP00000030000; OTTHUMP00000185041; signal-regulatory protein beta 2; signal-regulatory protein beta-2; CD172 antigen-like f
UniProt Comments for SIRPG	SIRPG: Probable immunoglobulin-like cell surface receptor. On binding with CD47, mediates cell-cell adhesion. Engagement on T- cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 20p13 Cellular Component: membrane; plasma membrane; integral to membrane Molecular Function: protein binding Biological Process: negative regulation of cell proliferation; cell-cell signaling; positive regulation of cell proliferation; positive regulation of cell-cell adhesion; positive regulation of T cell activation; cell adhesion; blood coagulation; leukocyte migration
Research Articles on SIRPG	**1.** tumor necrosis factor receptor superfamily, member 14 (TNFRSF14) and signal regulatory protein, gamma (SIRPG) appear to contribute to gender difference in incidence of systemic lupus erythematosus.
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