



Anti-SIRPA (C-terminal) polyclonal antibody (DPABH-05805)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Synthetic peptide conjugated to KLH, corresponding to amino acids near the C terminus of Human SIRP alpha (NP_542970.1).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC
Format	Liquid
Size	50 µg
Buffer	Constituent: 99% PBS

Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	SIRPA signal-regulatory protein alpha [Homo sapiens]
Official Symbol	SIRPA
Synonyms	SIRPA; signal-regulatory protein alpha; BIT; MFR; P84; SIRP; MYD-1; SHPS1; CD172A; PTPNS1; tyrosine-protein phosphatase non-receptor type substrate 1; myd-1 antigen; inhibitory receptor SHPS-1; macrophage fusion receptor; CD172 antigen-like family member A; tyrosine phosphatase SHP substrate 1; brain-immunoglobulin-like molecule with tyrosine-based activation motifs;
Entrez Gene ID	140885
Protein Refseq	NP_001035111.1
UniProt ID	P78324
Pathway	BDNF signaling pathway; Cell surface interactions at the vascular wall; Hemostasis; Osteoclast differentiation
Function	SH3 domain binding;