

**SIRP alpha Rabbit mAb**  
**Catalog # AP76083****Specification****SIRP alpha Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">P78324</a>
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	54967

**SIRP alpha Rabbit mAb - Additional Information****Gene ID** 140885**Other Names**

SIRPA

**Dilution**

WB~~1/500-1/1000

**Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

**Storage**

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

**SIRP alpha Rabbit mAb - Protein Information****Name** SIRPA**Synonyms** BIT, MFR, MYD1, PTPNS1, SHPS1, SIRP**Function**

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. Plays a role in antiviral immunity and limits new world arenavirus infection by decreasing virus internalization (By similarity). Receptor for THBS1 (PubMed:<a href="http://www.uniprot.org/citations/24511121" target="\_blank">24511121</a>). Interaction with THBS1 stimulates phosphorylation of SIRPA (By similarity). In response to THBS1, involved in ROS signaling in non-phagocytic cells, stimulating NADPH oxidase-derived ROS production (PubMed:<a href="http://www.ncbi.nlm.nih.gov/pubmed/24511121" target="\_blank">24511121</a>).

[24511121](http://www.uniprot.org/citations/24511121)).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Ubiquitous. Highly expressed in brain. Detected on myeloid cells, but not T-cells. Detected at lower levels in heart, placenta, lung, testis, ovary, colon, liver, small intestine, prostate, spleen, kidney, skeletal muscle and pancreas

**SIRP alpha Rabbit mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SIRP alpha Rabbit mAb - Images**

