Sirp α1 Antibody

Catalog No: #33486

Package Size: #33486-1 50ul #33486-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

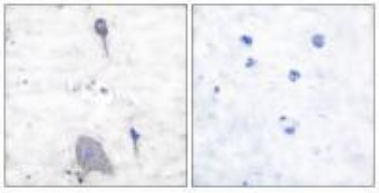
Product Name	Sirp α1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total Sirp α1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human SIRP-alpha1.
Target Name	Sirp α1
Other Names	Bit; MFR; MYD-1 antigen; MYD1; Macrophage fusion receptor
Accession No.	Swiss-Prot: P78324NCBI Gene ID: 140885
Uniprot	P78324
GeneID	140885;
SDS-PAGE MW	55kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

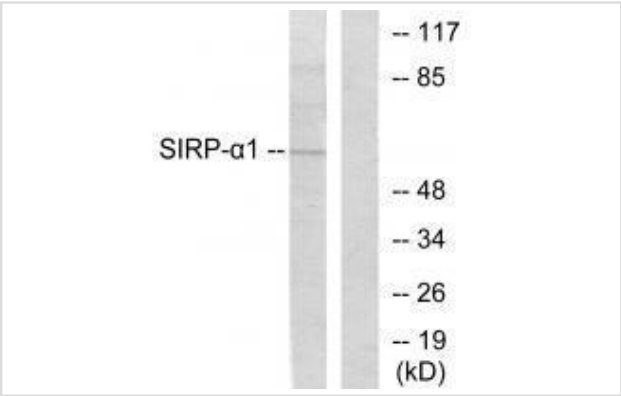
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

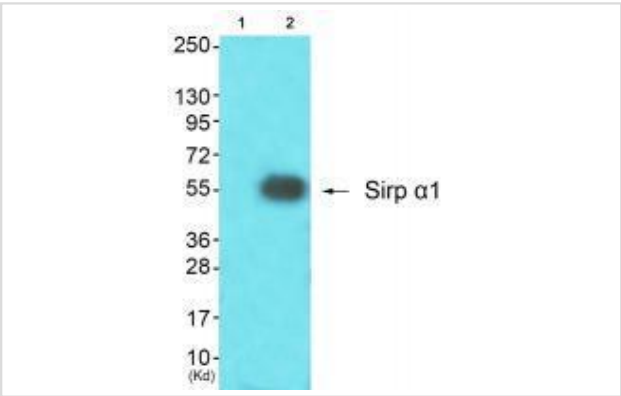
Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using Sirp α1 antibody #33486.



Western blot analysis of extracts from HepG2 cells, using Sirp α1 antibody #33486.



Western blot analysis of extracts from colo cells (Lane 2), using Sirp α1 antiobdy #33486. The lane on the left is treated with synthesized peptide.

Background

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.

Kentaro Ide, PNAS, Mar 2007; 104: 5062 - 5066.
Thomas T. Chen, Cancer Res., Jan 2004; 64: 117 - 127.
Shu Q. Liu, J. Biol. Chem., Nov 2005; 280: 39294 - 39301.
Gurpreet S. Kapoor, Cancer Res., Sep 2004; 64: 6444 - 6452.

Note: This product is for in vitro research use only