Datasheet for ABIN7174125

anti-SIRPA antibody (AA 31-373)

2 Images

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Overview

Quantity:	100 µg
Target:	SIRPA
Binding Specificity:	AA 31-373
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRPA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Tyrosine-protein phosphatase non-receptor type substrate 1 protein (31-373AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SIRPA
Alternative Name:	SIRPA (SIRPA Products)
Background:	Background: Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and

Target Details

	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. Aliases: Signal regulatory protein alpha type 1 antibody, Bit antibody, Brain Ig like molecule with tyrosine based activation motifs antibody, Brain Ig-like molecule with tyrosine-based activation motifs antibody, Brain immunoglobulin like molecule with tyrosine based activation motifs antibody, CD172 antigen like family member A antibody, CD172 antigen-like family member A antibody, CD172a antibody, CD172a antigen antibody, Inhibitory receptor SHPS-1 antibody, Macrophage fusion receptor antibody, MFR antibody, MYD 1 antibody, Myd 1 antigen antibody, MyD-1 antigen antibody, p84 antibody, Protein tyrosine phosphatase non receptor type substrate 1 antibody, PTPNS1 antibody, SHP substrate 1 antibody, SHPS-1 antibody, SHPS1 antibody, SHPS1_HUMAN antibody, Signal regulatory protein alpha 2 antibody, Signal regulatory protein alpha 3 antibody, Signal regulatory protein alpha antibody, Signal regulatory protein alpha type 2 antibody, Signal-regulatory protein alpha-1 antibody, Signal-regulatory protein alpha-2 antibody, Signal-regulatory protein alpha-3 antibody, SIRP antibody, Sirp-alpha-1 antibody, Sirp-alpha-2 antibody, Sirp-alpha-3 antibody, SIRPA antibody, SIRPalpha antibody, SIRPalpha1 antibody, SIRPalpha2 antibody, SIRPalpha3 antibody, Tyrosine phosphatase SHP substrate 1 antibody, Tyrosine protein phosphatase non receptor type substrate 1 antibody, Tyrosine-protein phosphatase non-receptor type substrate 1 antibody
UniProt:	P78324

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

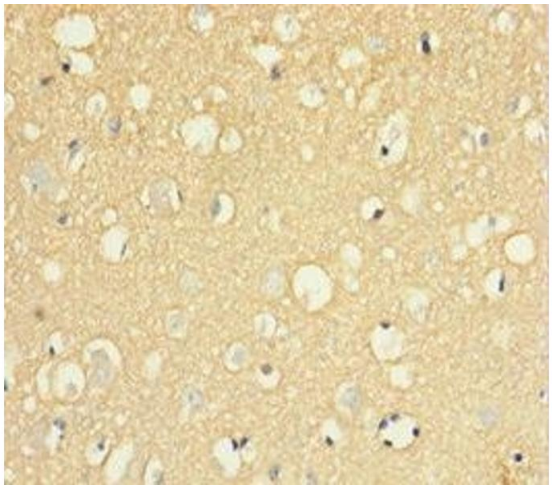
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Handling

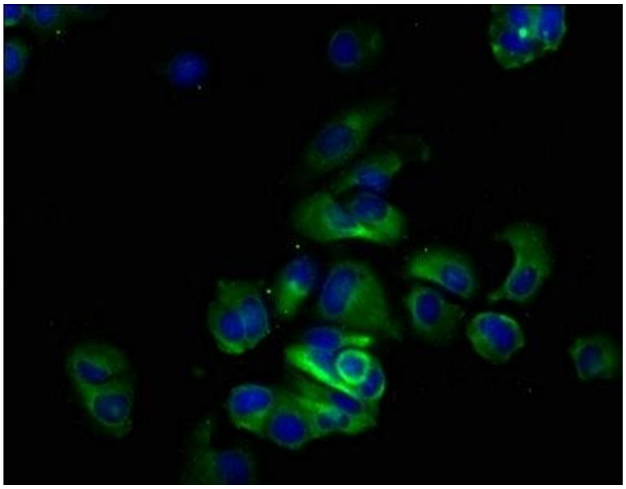
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7174125 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescence staining of MCF-7 cells with ABIN7174125 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).