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Datasheet for ABIN7270316

anti-SIRPA antibody

3 Images

Overview

Quantity:	100 µL
Target:	SIRPA
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SIRPA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	CD172a/SIRPα Rabbit mAb
Immunogen:	A synthesized peptide derived from human CD172a/SIRPα
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SIRPA
Alternative Name:	SIRPA (SIRPA Products)
Background:	The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family,

Target Details

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. This protein can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located in close proximity to each other on chromosome 20p13. Multiple alternatively spliced transcript variants have been determined for this gene. [provided by RefSeq, Jul 2008],BIT, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS1, SIRP,Cardiovascular,CDs,Cell Adhesion,Cell Type Marker,Cell Type Marker_Neuron marker,Cell Type Marker_Synapse marker,Immunology & Inflammation,Neuroscience,SIRPA

Molecular Weight: 85kDa

Gene ID: 140885

UniProt: [P78324](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

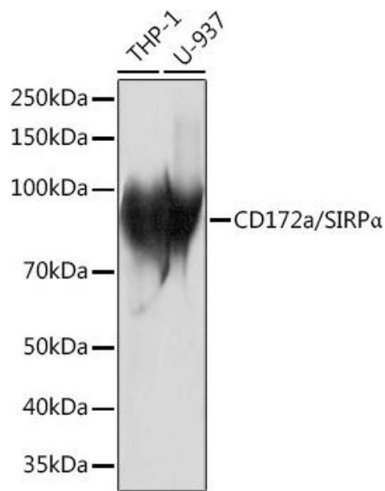
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

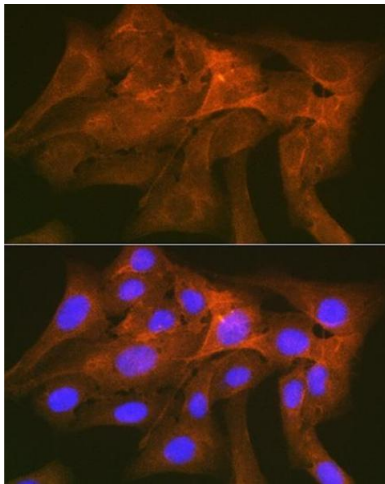
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



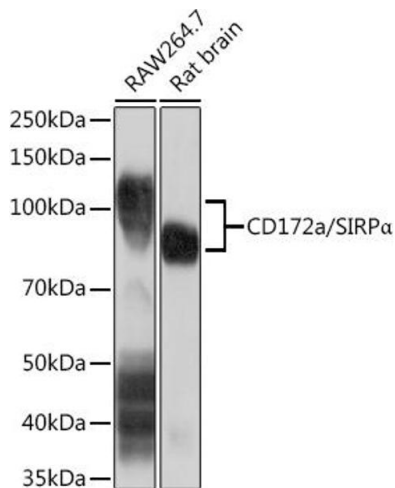
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CD172a/SIRPα Rabbit mAb (ABIN7270316) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunofluorescence

Image 2. Immunofluorescence analysis of U-2 OS cells using CD172a/SIRPα Rabbit mAb (ABIN7270316) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CD172a/SIRPα Rabbit mAb (ABIN7270316) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.