

Datasheet for ABIN7171124

anti-Synaptojanin 1 antibody (AA 1030-1261)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Synaptojanin 1 (SYNJ1)
Binding Specificity:	AA 1030-1261
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptojanin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Synaptojanin-1 protein (1030-1261AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Synaptojanin 1 (SYNJ1)
Alternative Name:	SYNJ1 (SYNJ1 Products)
Background:	Background: Phosphatase that acts on various phosphoinositides, including phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-bisphosphate and

Target Details

phosphatidylinositol (3,4,5)-trisphosphate (PubMed:27435091). Has a role in clathrin-mediated endocytosis (By similarity). Hydrolyzes PIP2 bound to actin regulatory proteins resulting in the rearrangement of actin filaments downstream of tyrosine kinase and ASH/GRB2 (By similarity). Aliases: 4 antibody, 5-trisphosphate 5-phosphatase 1 antibody, Inositol 5' phosphatase (synaptojanin 1) antibody, Inositol 5' phosphatase antibody, INPP 5G antibody, INPP5G antibody, KIAA0910 antibody, PARK20 antibody, Polyphosphoinositide phosphatase antibody, Synaptic inositol 1 4 5 trisphosphate 5 phosphatase 1 antibody, Synaptic inositol 145 trisphosphate 5 phosphatase 1 antibody, Synaptic inositol-1 antibody, Synaptojanin 1 antibody, Synaptojanin 1 polyphosphoinositide phosphatase antibody, Synaptojanin-1 antibody, Synaptojanin1 antibody, Synj 1 antibody, Synj1 antibody, SYNJ1_HUMAN antibody

UniProt: [O43426](#)

Pathways: [Inositol Metabolic Process](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

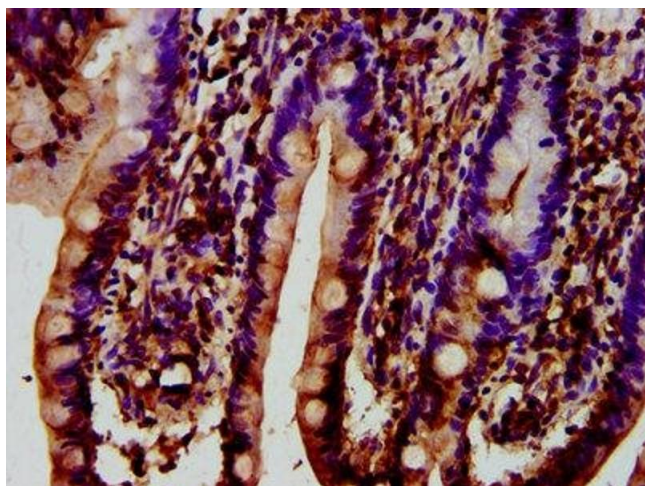
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

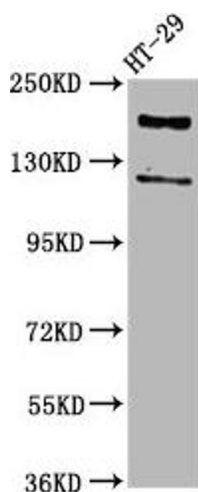
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



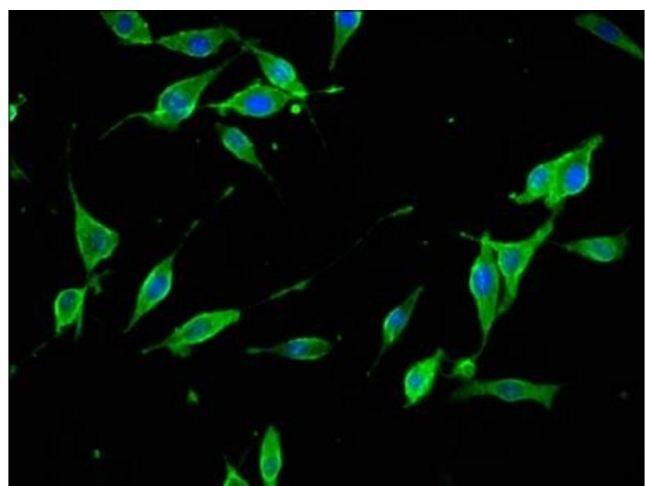
Immunohistochemistry

Image 1. IHC image of ABIN7171124 diluted at 1:400 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HT29 whole cell lysate All lanes: SYNJ1 antibody at 3.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 174, 145, 144, 59 kDa Observed band size: 174 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of NIH/3T3 cells with ABIN7171124 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).