

# SYNJ1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21838b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O43426</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB53251
<b>Calculated MW</b>	173103

## Additional Information

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<b>Gene ID</b>	8867
<b>Other Names</b>	Synaptojanin-1, Synaptic inositol 1, 5-trisphosphate 5-phosphatase 1, SYNJ1, KIAA0910
<b>Target/Specificity</b>	This SYNJ1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1148-1182 amino acids from the C-terminal region of human SYNJ1.
<b>Dilution</b>	WB~~1:1000-1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	SYNJ1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SYNJ1
<b>Synonyms</b>	KIAA0910
<b>Function</b>	Phosphatase that acts on various phosphoinositides, including phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)- bisphosphate and phosphatidylinositol (3,4,5)-trisphosphate (PubMed: <a href="#">23804563</a> ,

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).

**Cellular Location** Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:O18964}

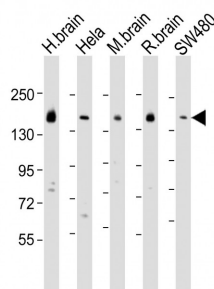
## Background

Inositol 5-phosphatase which has a role in clathrin- mediated endocytosis.

## References

Haffner C.,et al.FEBS Lett. 419:175-180(1997).  
Nagase T.,et al.DNA Res. 5:355-364(1998).  
Nakajima D.,et al.DNA Res. 9:99-106(2002).  
Hattori M.,et al.Nature 405:311-319(2000).  
Cestra G.,et al.J. Biol. Chem. 274:32001-32007(1999).

## Images



All lanes : Anti-SYNJ1 Antibody (C-term) at 1:1000-1:2000 dilution Lane 1: human brain lysate Lane 2: HeLa whole cell lysate Lane 3: mouse brain lysate Lane 4: rat brain lysate Lane 5: SW480 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 173 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.