

Rabbit SYNPO Polyclonal Antibody | anti-SYNPO antibody

SYNPO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307308	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

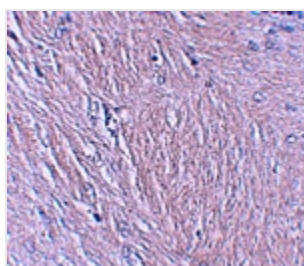
PRODUCT SYNONYMS

SYNPO; Polyclonal Antibody; SYNPO Antibody; Synaptopodin; anti-SYNPO antibody

PRODUCT SPECIFICATIONS

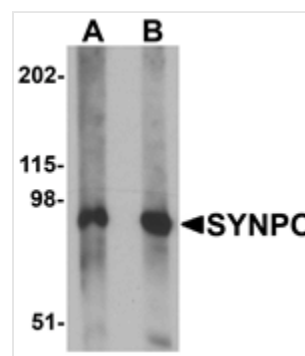
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	929
Applicable Applications for anti-SYNPO antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human SYNPO.
Target Name	SYNPO
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of SYNPO in human brain tissue with SYNPO antibody at 2.5 ug/mL.



WB (Western Blot)

Western blot analysis of SYNPO in rat brain tissue lysate with SYNPO antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SYNPO antibody	SYNPO, also known as synaptopodin, is an actin-associated protein in telencephalic dendrites and renal podocytes. SYNPO is tightly associated with the dendritic spine apparatus, and mice lacking the SYNPO gene lack the apparatus. These SYNPO-null mice also demonstrate an impaired ability to express long-term potentiation as well as deficits in spatial memory tasks, indicating that SYNPO is involved in the regulation of synaptic plasticity. Recent studies suggest that SYNPO is linked to neuronal calcium stores and plays a role in the calcium store-associated ability of neurons to undergo long-term plasticity.
Product Categories/Family for anti-SYNPO antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	261278297
NCBI GeneID	11346
NCBI Accession #	NP_001159680
NCBI GenBank Nucleotide #	NM_001166208.1
Molecular Weight	73,667 Da
NCBI Official Full Name	synaptopodin isoform C
NCBI Official Synonym Full Names	synaptopodin
NCBI Official Symbol	SYNPO
NCBI Protein Information	synaptopodin
UniProt Protein Name	Synaptopodin
UniProt Gene Name	SYNPO
UniProt Synonym Gene Names	KIAA1029
UniProt Entry Name	SYNPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/synpo-antibody-immunohistochemistry-western-blot-elisa/307308>