

Rabbit Synapsin 1 Polyclonal Antibody | anti-SYN1 antibody

Anti-Synapsin 1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254231	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Western Blot

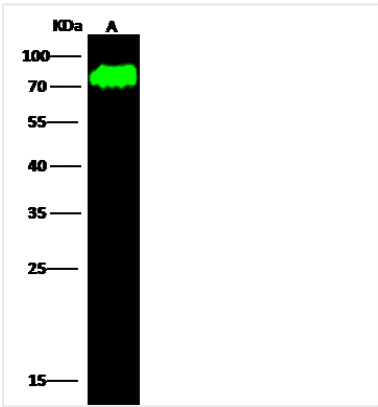
PRODUCT SYNONYMS

Synapsin 1; Polyclonal Antibody; Anti-Synapsin 1 Antibody; Rabbit Polyclonal; Synapsin I/Synapsin-1 Antibody; Rabbit PAb; Antigen Affinity Purified; synapsin I; Anti-RP1-230G1.2 Antibody; Anti-SYN1a Antibody; Anti-SYN1b Antibody; Anti-SYNI Antibody; anti-SYN1 antibody

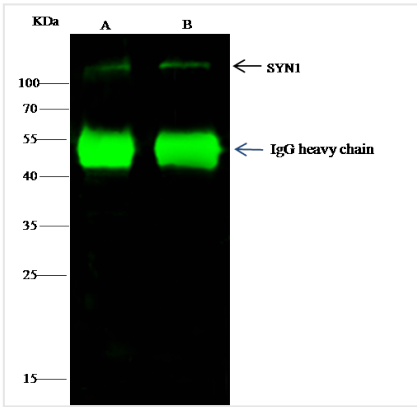
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Synapsin 1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SYN1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the human SYN1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the human SYN1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-SYN1 rabbit polyclonal antibody at 1:500 dilution. Lane A: Mouse brain tissue lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 74 kDa. Observed band size: 74 kDa.



IP (Immunoprecipitation)
SYN1 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate. Lane B: 0.5 mg A549 Whole Cell Lysate. 2 uL anti-SYN1 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-SYN1 rabbit polyclonal antibody, at 1:200 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 74 kDa. Observed band size: 105 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SYN1 antibody	Synapsin I (SynI) is a synaptic vesicle (SV) phosphoprotein playing multiple roles in synaptic transmission and plasticity by differentially affecting crucial steps of SV trafficking in excitatory and inhibitory synapses. SYN1 in the pathogenesis of non-syndromic intellectual disability, showing that alterations of synaptic vesicle trafficking are one possible cause of this disease, and suggest that distinct mutations in SYN1 may lead to distinct brain pathologies.
Product Categories/Family for anti-SYN1 antibody	G Protein-coupled Receptors Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924099
NCBI GeneID	6853
NCBI Accession #	NP_008881.2
NCBI GenBank Nucleotide #	NM_006950.3
UniProt Accession #	P17600; O75825; Q5H9A9; B1AJQ1
Molecular Weight	74,111 Da
NCBI Official Full Name	synapsin-1 isoform Ia
NCBI Official Synonym Full Names	synapsin I
NCBI Official Symbol	SYN1
NCBI Official Synonym Symbols	SYNI; SYN1a; SYN1b
NCBI Protein Information	synapsin-1; brain protein 4.1
UniProt Protein Name	Synapsin-1
UniProt Gene Name	SYN1
UniProt Entry Name	SYN1_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.

