

Rabbit SH3GL2 Polyclonal Antibody | anti-SH3GL2 antibody

SH3GL2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325153	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SH3GL2; Polyclonal Antibody; SH3GL2 Antibody; bA335L15.1 (SH3 domain GRB2 like 2); CNSA2; EEN B1; EEN-B1; Endophilin 1; Endophilin A1; Endophilin A1 BAR domain; Endophilin-1; Endophilin-A1; FLJ20276; FLJ25015; OTTHUMP00000021084; SH3 domain containing GRB2 like protein 2; SH3 domain GRB2 like 2; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2; SH3D2A; SH3G2_HUMAN; Sh3gl2; Sh3p4; SH3PA; anti-SH3GL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SH3GL2 antibody detects endogenous levels of total SH3GL2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	352
Applicable Applications for anti-SH3GL2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Membrane. Concentrated in presynaptic nerve terminals in neurons.
Tissue Specificity	Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325153 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from K562 cells using SH3GL2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SH3GL2 antibody

Function: Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 to mediate BDNF-NTRK2 early endocytic trafficking and signaling from early endosomes.

Subunit Structure: Monomer; in cytoplasm. Homodimer; when associated with membranes (By similarity). Interacts with OPHN1 (By similarity). Interacts with SYNJ1 and DNM1. Interacts with MAP4K3; the interaction appears to regulate MAP4K3-mediated JNK activation. Interacts with PDCD6IP. Interacts with ATX2. Interacts with ADAM9 and ADAM15 cytoplasmic tails. Interacts with BIN2. Interacts with TMEM108 (By similarity). Interacts with ADGRB2 (PubMed:28891236).

Similarity: An N-terminal amphipathic helix, the BAR domain and a second amphipathic helix inserted into helix 1 of the BAR domain (N-BAR domain) induce membrane curvature and bind curved membranes. The BAR domain dimer forms a rigid crescent shaped bundle of helices with the pair of second amphipathic helices protruding towards the membrane-binding surface. Belongs to the endophilin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506931
NCBI GeneID	6456
NCBI Accession #	NP_003017.1
NCBI GenBank Nucleotide #	NM_003026.3
UniProt Accession #	Q99962; Q9NQG5; B2R618
Molecular Weight	Observed: 39 kD Predicted: 40 kDa
NCBI Official Full Name	endophilin-A1
NCBI Official Synonym Full Names	SH3 domain containing GRB2 like 2, endophilin A1
NCBI Official Symbol	SH3GL2
NCBI Official Synonym Symbols	CNSA2; SH3P4; EEN-B1; SH3D2A
NCBI Protein Information	endophilin-A1
UniProt Protein Name	Endophilin-A1
UniProt Gene Name	SH3GL2
UniProt Synonym Gene Names	CNSA2; SH3D2A

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.