

SH3GL2/Endophilin A1 Rabbit pAb

Catalog # AP97878

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q99962
Other Accession	Q99962
Reactivity	Rat, Mouse
Predicted	Cat, Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39962
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SH3GL2/Endophilin 1
Epitope Specificity	201-300/352
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the endophilin family. Contains 1 BAR domain. Contains 1 SH3 domain.
SUBUNIT	Monomer; in cytoplasm. Homodimer; when associated with membranes (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	6456
Other Names	CNSA2; EEN-B1; SH3D2A; SH3P4; 9530001L19Rik; B930049H17Rik; EEN1; SH3PA; SH3G2_HUMAN; SH3GL2; Endophilin-1; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2; SH3G2_MOUSE; SH3G2_RAT; SH3 domain containing GRB2 like 2, endophilin A1; SH3 domain containing GRB2 like 2; endophilin-A1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SH3GL2 (HGNC:10831)
Synonyms	CNSA2, SH3D2A

Function	Implicated in endocytosis. Involved ultrafast endocytosis, by mediating, in a first step, neck formation and in a second step, aids in the removal of clathrin coats from the regenerated vesicles. 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.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:O35179}. Membrane {ECO:0000250 UniProtKB:O35179}; Peripheral membrane protein {ECO:0000250 UniProtKB:O35179}. Early endosome {ECO:0000250 UniProtKB:Q62420}. Presynapse {ECO:0000250 UniProtKB:O35179}
Tissue Location	Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum

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