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SH3GL3 Rabbit pAb

Catalog # AP99759

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q99963
Other Accession	Q99963
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39285
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SH3GL3
Epitope Specificity	121-220/347
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	Interacts with ARC (By similarity). Interacts with DNM1, SGIP1 and SYNJ1. Interacts with the huntingtin exon 1 protein (HDEX1P) containing a glutamine repeat in the pathological range and promotes formation of insoluble polyglutamine-containing aggregates in vivo. Interacts with DYDC1. Interacts with FASLG. Interacts with ATX2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The endophilins comprise a family of three SH3 domain-containing proteins designated Endophilin I, II and III, or alternatively known as SH3P4, SH3P8 and SH3P13, respectively. These proteins associate with Amphiphysin, Synaptojanin and Dynamin and are implicated in presynaptic vesicle trafficking at nerve terminals. The expression patterns of the endophilins are consistent with their cellular functions at the neuronal synapse, as Endophilin I is ex- pressed only in the brain. Both Endophilin II and Endophilin III are detected in a variety of tissues. Endophilin I is also implicated in modulating G protein-coupled receptor signaling by functioning as an adapter protein and directing 1 adrenergic receptors to the endocytic machinery.

Additional Information

Gene ID	6457
Other Names	CNSA3; EEN-B2; HsT19371; SH3D2C; SH3P13; Sh3d2c1; SH3G3_HUMAN; SH3GL3; Endophilin-3; SH3 domain protein 2C; SH3 domain-containing GRB2-like protein 3; SH3G3_RAT; SH3 domain containing GRB2 like 3, endophilin A3; SH3 domain containing GRB2 like 3; endophilin A3

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	SH3GL3
Synonyms	CNSA3, SH3D2C
Function	Implicated in endocytosis. May recruit other proteins to membranes with high curvature (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:O35180}. Early endosome membrane {ECO:0000250|UniProtKB:O35180}; Peripheral membrane protein {ECO:0000250|UniProtKB:O35180}. Note=Associated with postsynaptic endosomes in hippocampal neurons. Associated with presynaptic endosomes in olfactory neurons {ECO:0000250|UniProtKB:O35180}
Tissue Location	Brain and testis.

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