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Endophilin II Rabbit pAb

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Catalog # AP57649

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q99961
Predicted	Rat, Pig, Dog, Human, Mouse, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41490
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Endophilin II
Epitope Specificity	31-130/368
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Early endosome membrane. Associated with postsynaptic endosomes in hippocampal neurons.
DISEASE	Note=In some cases of acute leukemia, a translocation results in the formation of a MLL-EEN fusion gene.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the endophilin family of Src homology 3 domain-containing proteins. The encoded protein is involved in endocytosis and may also play a role in the cell cycle. Overexpression of this gene may play a role in leukemogenesis, and the encoded protein has been implicated in acute myeloid leukemia as a fusion partner of the myeloid-lymphoid leukemia protein. Pseudogenes of this gene are located on the long arm of chromosomes 11 and 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Additional Information

Gene ID	6455
Other Names	Endophilin-A2, EEN fusion partner of MLL, Endophilin-2, Extra eleven-nineteen leukemia fusion gene protein, EEN, SH3 domain protein 2B, SH3 domain-containing GRB2-like protein 1, SH3GL1, CNSA1, SH3D2B
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	SH3GL1
Synonyms	CNSA1, SH3D2B
Function	Implicated in endocytosis. In a first step mediates neck formation during ultrafast endocytosis and function at a second step to aid in the removal of clathrin coats from the regenerated vesicles (By similarity). May recruit other proteins to membranes with high curvature (By similarity).
Cellular Location	Cytoplasm. Early endosome membrane; Peripheral membrane protein. Cell projection, podosome. Note=Associated with postsynaptic endosomes in hippocampal neurons.
Tissue Location	Ubiquitous. Higher expression in pancreas, placenta, prostate, testis and uterus

Background

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