



Rabbit Anti-Endophilin II antibody

SL19747R

Product Name:	Endophilin II
Chinese Name:	胞吞蛋白Endophilin 2抗体
Alias:	SH3 containing Grb 2 like 1 protein; Endophilin II; CNSA1; EEN; EEN fusion partner of MLL; Endophilin-2; Endophilin-A2; Extra 11 19 leukemia fusion gene; Extra eleven-nineteen leukemia fusion gene protein; Fusion partner of MLL; MGC111371; SH3 containing Grb 2 like 1 protein; SH3 containing protein EEN; SH3 domain GRB2 like 1; SH3 domain protein 2B; SH3 domain-containing GRB2-like protein 1; SH3D2B; SH3G1 HUMAN; SH3GL1; SH3P8.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Endophilin II:31-130/368
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

Function:

Implicated in endocytosis. May recruit other proteins to membranes with high curvature.

Subcellular Location:

Cytoplasm. Early endosome membrane. Associated with postsynaptic endosomes in hippocampal neurons.

Tissue Specificity:

Ubiquitous. Higher expression in pancreas, placenta, prostate, testis and uterus.

DISEASE:

Note=In some cases of acute leukemia, a translocation results in the formation of a MLL-EEN fusion gene.

Similarity:

Belongs to the endophilin family.

Contains 1 BAR domain.

Contains 1 SH3 domain.

SWISS:

Q99961

Gene ID:

6455

Database links:

[Entrez Gene: 512719](#) Cow

[Entrez Gene: 6455](#) Human

[Entrez Gene: 20405](#) Mouse

[Entrez Gene: 81922](#) Rat

[Omim: 601768](#) Human

[SwissProt: Q2KJA1](#) Cow

[SwissProt: Q99961](#) Human

[SwissProt: Q62419](#) Mouse

[SwissProt: O35964](#) Rat

[Unigene: 97616](#) Human

[Unigene: 1773](#) Mouse

[Unigene: 8762](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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