

Endophilin II Rabbit pAb

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Catalog # AP57649

Product Information

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| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | Q99961 |
| Predicted | Human, Mouse, Rat, Chicken, Dog, Pig, 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. |
| SIMILARITY | Belongs to the endophilin family. Contains 1 BAR domain. Contains 1 SH3 domain. |
| 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

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| 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 |
| Target/Specificity | Ubiquitous. Higher expression in pancreas, placenta, prostate, testis and uterus. |

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| Dilution | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000 |
| 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

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| Name | SH3GL1 |
| Synonyms | CNSA1, SH3D2B |
| Function | Implicated in endocytosis. 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

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]

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