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SH3GL1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2218a

Product Information

Application	WB, E
Primary Accession	Q99961
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Clone Names	4B4C2
Isotype	IgG1
Calculated MW	41490
Description	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.
Immunogen	Purified recombinant fragment of human SH3GL1 (AA: 12-119) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

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	WB~~1/500 - 1/2000 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SH3GL1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

References

1.J Exp Clin Cancer Res. 2012 Oct 11;31:85.2.Mol Med Rep. 2013 Oct;8(4):1111-7.

Images

