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Datasheet for 200-301-G41

SH3GL1 Antibody

Overview

Description:	Anti-SH3GL1 (MOUSE) Monoclonal Antibody - 200-301-G41
Item No.:	200-301-G41
Size:	100 µg
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Endophilin-A2 is a protein that in humans is encoded by the SH3GL1 gene. Endophilin-A2 is an SH3 domain containing protein that is involved in the clathrin-mediated endocytosis and recycling of synaptic vesicles. Its SH3 domain lies at the C-terminus of the protein, and can bind proline-rich sequences on other endocytotic proteins. It also binds the C-terminus of the voltage-gated calcium channel in a calcium-dependent manner, which serves to enrich the endocytotic machinery at nerve terminals.
Synonyms:	SH3 domain GRB2 like 1 protein, CNSA1, SH3P8, EEN, Endophilin-A2, EEN fusion partner of MLL, Endophilin-2, Extra eleven-nineteen leukemia fusion gene protein, SH3 domain protein 2B
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S51-1
Format:	IgG1

Target Details

Gene Name:	SH3GL1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	SH3GL1 Antibody was produced in mice by repeated immunizations raised against a synthetic peptide corresponding to the near c-terminal region of rat SH3GL1.

Purity/Specificity:	Anti-SH3GL1 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with SH3GL1 from Mouse, human, and rat based on 100% homology with the immunizing sequence. Cross-reactivity with SH3GL1 from other sources has not been determined. Scaffolds research.
Relevant Links:	• NCBI - NP_003016.1 • GeneID - 6455 • UniProtKB - Q99961

Application Details

Application Note:	Anti-SH3GL1 Antibody is suitable for use in WB, IHC and IP. Expect a band approximately ~43kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1.0-10ug/mL
IHC:	0.1-1.0 µg/ml (Perox), 1-10 µg/mL (IF)
IP:	User Optimized
WB:	1 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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