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Datasheet for 200-301-W73

Lgi1 Antibody

Overview

Description:	Anti-Lgi1 (MOUSE) Monoclonal Antibody - 200-301-W73
Item No.:	200-301-W73
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	The leucine-rich, glioma inactivated gene 1 (LGI1) was first identified as a candidate tumor suppressor gene for glioma and may play a role in other cancers. LGI1 is a member of a family of highly related proteins containing leucine-rich repeats (LRRs) which are highly similar to other transmembrane signaling molecules and receptors. LGI1 serves as a ligand to ADAM22, a metalloprotease localized at the synapse. Mutations in LGI1 account for nearly half of autodominant lateral temporal epilepsy (ADTLE), an epileptic syndrome characterized by focal seizures with predominant auditory symptoms. Two isoforms of LGI1 are known to exist; this LGI1 antibody will recognize only the longer form. Anti-LGI1 is ideal for research in Neuroscience and Cancer.
Synonyms:	ADLTE, ADPAEF, ADPEAF, Epitempin 1, EPT, ETL1, IB1099, leucine rich glioma inactivated 1, OTTHUMP00000020121, OTTHUMP00000020122
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S283-7
Format:	IgG2a

Target Details

Gene Name:	LGI1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-Lgi1 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 37-113 (LRRNT domain and first LRR repeat) of mouse Lgi1.
Purity/Specificity:	Anti-LGI1 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 100% identical to rat, 98% identical to human and ~50% identical to LGI2, LGI3, and LGI4.
Relevant Links:	• UniProtKB - Q9JIA1 • GeneID - 56839

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-LGI1 Antibody is suitable for Western Blots, Immunohistochemistry and Immunocytochemistry. Expect a band approximately ~60kDa on specific lysates or tissues. 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.
ELISA:	1:10,000
IHC:	User Optimized
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet 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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.