

Datasheet for 200-303-W73

Lgi1 Antibody Peroxidase**Overview**

Description:	Anti-Lgi1 (MOUSE) Monoclonal Antibody Peroxidase Conjugated - 200-303-W73
Item No.:	200-303-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 autodominate 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, OTTHUMP00000020135
Host Species:	Mouse
Conjugate:	Peroxidase (HRP)
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 HRP Conjugated 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

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Conjugated antibodies should be stored according to the product label. Product stored in 73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide and 0.23mM Citrate in dH2O.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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