

Product datasheet for **AM60048PU-N**

Lgi1 (37-113) Mouse Monoclonal Antibody [Clone ID: S283-7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S283-7
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/1000; 1 µg/ml was sufficient for detection of LGI1 / EPT in 20 µg of rat brain lysate by colorimetric immunoblot using HRP conjugated secondary antibody. Immunocytochemistry. Immunohistochemistry: Free floating sections, fixed in formaldehyde.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 37-113 (LRRNT domain and first LRR repeat) of mouse LGI1 /EPT, SwissProt: Q9JIA1.1.
Specificity:	This antibody detects a 60 kDa protein corresponding to the molecular weight of LGI1 / EPT. It will recognize only the longer form, Isoform 1. (~50% identity with LGI2, LGI3 and LGI4.)
Formulation:	PBS pH 7.4, 50% Glycerol, 0,09% Sodium azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	leucine-rich repeat LGI family, member 1
Database Link:	Entrez Gene 56839 Mouse Q9JIA1



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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.

Synonyms:

Epitepin-1