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LGI2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16550c

Specification

LGI2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8N0V4

LGI2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 55203

Other Names
Leucine-rich repeat LGI family member 2, LGI1-like protein 2, Leucine-rich glioma-inactivated protein 2, LGI2, KIAA1916, LGIL2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LGI2 Antibody (Center) Blocking Peptide - Protein Information

Name LGI2

Synonyms KIAA1916, LGIL2

Function
Required for the development of soma-targeting inhibitory GABAergic synapses made by parvalbumin-positive basket cells.

Cellular Location
Secreted.

Tissue Location
Brain, heart and placenta.

LGI2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LGI2 Antibody (Center) Blocking Peptide - Images

LGI2 Antibody (Center) Blocking Peptide - Background

The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic ?/? horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. LGI2 (leucine-rich repeat LGI family, member 2), also known as KIAA1916 or LGIL2, is a 545 amino acid secreted protein that contains four LRR repeats and seven EAR repeats. Expressed in heart, brain and placenta, LGI2 shares high sequence similarity with other LGI family members and is thought to play a role in the pathogenesis of epileptic disorders.

LGI2 Antibody (Center) Blocking Peptide - References

Limviphuvadh, V., et al. J Bioinform Comput Biol 8(1):117-127(2010)Gu, W., et al. Mol. Biol. Evol. 22(11):2209-2216(2005)Wang, L., et al. J. Mol. Med. 83(10):812-821(2005)Staub, E., et al. Trends Biochem. Sci. 27(9):441-444(2002)Scheel, H., et al. Hum. Mol. Genet. 11(15):1757-1762(2002)