

LGI2 Rabbit pAb

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Catalog # AP57005

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NOV4
Reactivity	Mouse
Predicted	Rat, Pig, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62298
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LGI2
Epitope Specificity	201-300/545
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic Alpha/Beta 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.

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

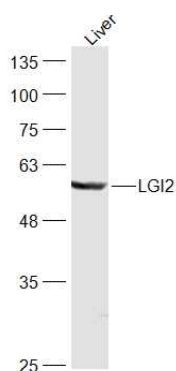
Protein Information

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.

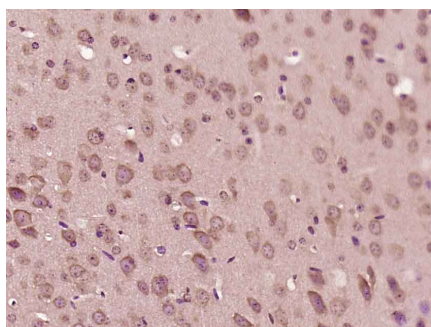
Background

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Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-LGI2 (AP57005) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60 kD
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LGI2) Polyclonal Antibody, Unconjugated (AP57005) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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