10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Lgi4 (14M5) Rat Monoclonal Antibody

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Catalog # AP93629

Specification

Lgi4 (14M5) Rat Monoclonal Antibody - Product Information

Application	IHC
Primary Accession	Q8K1S1
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	59377

Lgi4 (14M5) Rat Monoclonal Antibody - Additional Information

Gene ID 243914

Other Names
Leucine-rich repeat LGI family member 4, LGI1-like protein 3, Leucine-rich glioma-inactivated protein 4, Lgi4, Lgil3

Dilution
IHC~~1:100~500

Storage Conditions
-20℃

Lgi4 (14M5) Rat Monoclonal Antibody - Protein Information

Name Lgi4

Synonyms Lgil3

Function
Component of Schwann cell signaling pathway(s) that controls axon segregation and myelin formation.

Cellular Location
Secreted.

Tissue Location
Brain. Expressed in the entire developing peripheral nerves. Strongly expressed in the trigeminal nerve and ganglion and particularly abundant in the boundary cap cells - a transient population of cells that contributes to the Schwann cell population of the dorsal root nerve.

Lgi4 (14M5) Rat Monoclonal Antibody - Protocols

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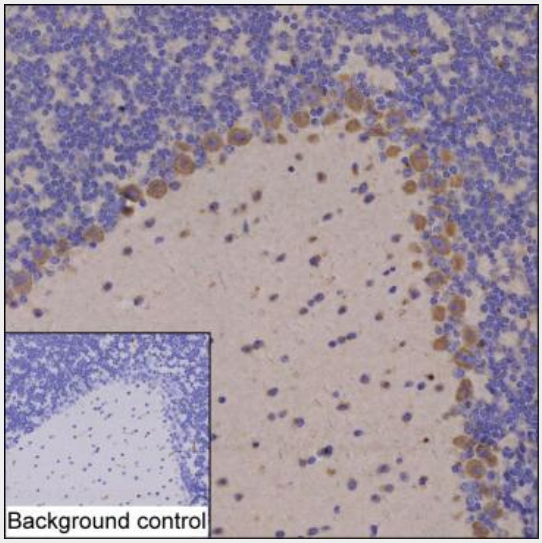
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Lgi4 (14M5) Rat Monoclonal Antibody - Images



IHC-P analysis of mouse cerebellum tissue by anti-mouse Lgi4 antibody (AP93629). IHC-P was performed using sections of the formalin-fixed paraffin-embedded mouse cerebellum tissue. Antigen was retrieved through addition of boiling Tris/EDTA buffer pH 9 in a pressure cooker for 3 min. Endogenous peroxidase activity was quenched by incubating the sections with 3% H2O2 for 30 min at room temperature. The sections were then incubated with anti-mouse Lgi4 primary antibody (AP93629) at 5 µg/mL at room temperature for 1 h. Poly-peroxidase conjugated goat anti-mouse IgG (which cross reacts with rat IgG) was used as the secondary antibody. Diaminobenzidine was used as the chromogen. The section was counterstained with hematoxylin. A tissue section incubated with phosphate-buffered saline followed by incubation with the secondary antibody was used as the background control. Result: Purkinje cells are positively stained at cytoplasm of cell body and dendrite.