

Lgi4 (14M5) Rat Monoclonal Antibody

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Catalog # AP93629

Product Information

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

Additional Information

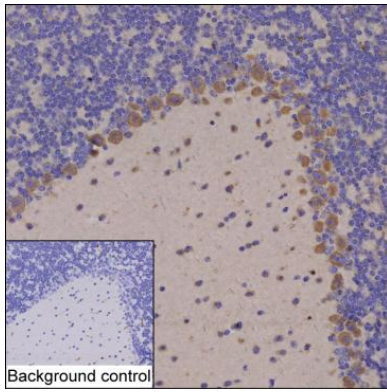
Gene ID	243914
Other Names	Leucine-rich repeat LGI family member 4, LGI1-like protein 3, Leucine-rich glioma-inactivated protein 4, Lgi4, Lgil3
Dilution	IHC~~1:100~500
Storage Conditions	-20°C

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.

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.

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