

Anti-KCNJ6 Antibody (5C172)

Product Details

Ig Type:	IgG
Reactivity:	Mouse
Molecular Weight:	Theoretical: 47 kDa.
Clone:	5C172
Purification:	Protein A purified

Applications

Verified Activity:	Sealing solution and concentration: 5% NFDm/TBST Dilution ratio of primary antibody: 1:5000 Incubation conditions for primary antibody: 2 hours at room temperature Secondary antibody: Goat Anti Rabbit IgG H&L (HRP) Cracking solution: 1: Mouse liver (negative control), 2: Mouse brain Protein loading amount: 20 µg Exposure time: 60 seconds Theoretical molecular weight: 48 kDa Actual molecular weight: 40, 48 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: mouse KCNJ6
Antigen Species:	Mouse
Gene ID:	16522
Uniprot ID:	P48542

Research Background

This gene encodes a member of the G protein-coupled inwardly-rectifying potassium channel family of inward rectifier potassium channels. This type of potassium channel allows a greater flow of potassium into the cell than out of it. These proteins modulate many physiological processes, including heart rate in cardiac cells and circuit activity in neuronal cells, through G-protein coupled receptor stimulation. Mutations in this gene are associated with Keppen-Lubinsky Syndrome, a rare condition characterized by severe developmental delay, facial dysmorphism, and intellectual disability. [provided by RefSeq, Apr 2015]

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