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

GLRB

Purified Mouse Monoclonal Antibody
Catalog # AO2618a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P48167
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3B8A8
Isotype	Mouse IgG2b
Calculated MW	56122
Immunogen	Purified recombinant fragment of human GLRB (AA: extra 23-160) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	2743
Other Names	HKPX2
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/200 - 1/1000 E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GLRB is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GLRB
Function	Subunit of heteromeric glycine-gated chloride channels (PubMed: 11929858, PubMed:15302677, PubMed:16144831, PubMed:22715885, PubMed:23238346, PubMed:25445488, PubMed:34473954, PubMed:8717357). Plays an important role in the down-regulation of neuronal excitability (PubMed:11929858, PubMed:23238346). Contributes to the generation of inhibitory postsynaptic currents (PubMed:25445488).
Cellular Location	Postsynaptic cell membrane {ECO:0000250|UniProtKB:P48168}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23415}. Synapse

{ECO:0000250|UniProtKB:P48168} Cell projection, dendrite {ECO:0000250|UniProtKB:P48168}. Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23415}. Cytoplasm. Note=Retained in the cytoplasm upon heterologous expression by itself. Coexpression with GPHN promotes expression at the cell membrane (PubMed:12684523). Coexpression with GLRA1, GLRA2 or GLRA3 promotes expression at the cell membrane {ECO:0000250|UniProtKB:P20781, ECO:0000269|PubMed:12684523}

References

1.Hum Mol Genet. 2013 Mar 1;22(5):927-40.2.Clin Genet. 2012 May;81(5):479-84.

Images

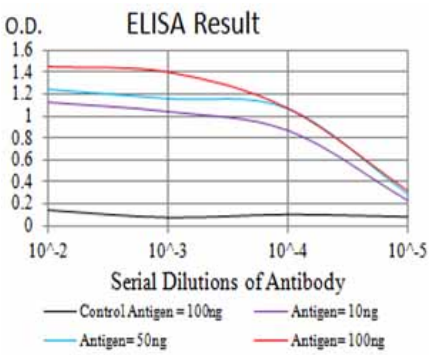


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

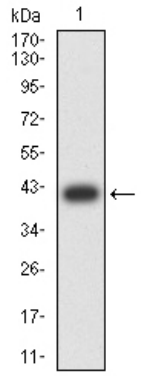


Figure 2:Western blot analysis using GLRB mAb against human GLRB (AA: extra 23-160) recombinant protein. (Expected MW is 41.8 kDa)

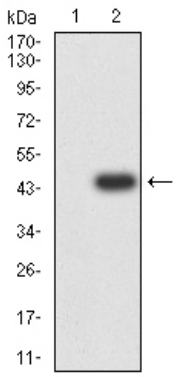
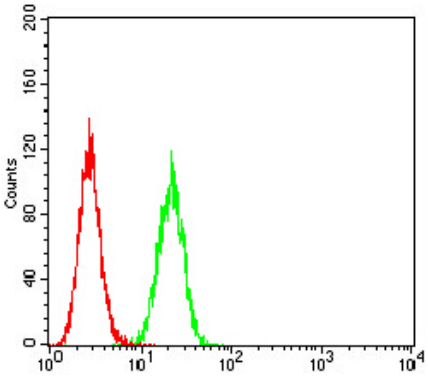


Figure 3:Western blot analysis using GLRB mAb against HEK293 (1) and GLRB (AA: extra 23-160)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Flow cytometric analysis of Hela cells using GLRB mouse mAb (green) and negative control (red).



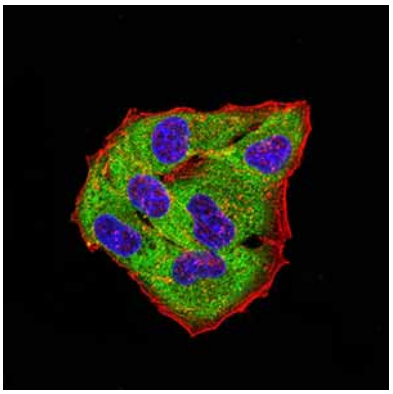


Figure 5:Immunofluorescence analysis of Hela cells using GLRB mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.