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GLRA1

Purified Mouse Monoclonal Antibody
Catalog # AO2610a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P23415
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7F8E2
Isotype	Mouse IgG1
Calculated MW	52624
Immunogen	Purified recombinant fragment of human GLRA1 (AA: extra 29-154) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	2741
Other Names	STHE; HKPX1
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A 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	GLRA1 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GLRA1
Function	Subunit of heteromeric glycine-gated chloride channels (PubMed: 14551753, PubMed:23994010, PubMed:25730860, PubMed:37821459). Plays an important role in the down-regulation of neuronal excitability (PubMed:8298642, PubMed:9009272). Contributes to the generation of inhibitory postsynaptic currents (PubMed:25445488). Channel activity is potentiated by ethanol (PubMed:25973519). Potentiation of channel activity by intoxicating levels of ethanol contribute to the sedative effects of ethanol (By similarity).

Cellular Location	Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q64018}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q64018}. Synapse {ECO:0000250|UniProtKB:Q64018} Perikaryon {ECO:0000250|UniProtKB:Q64018}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q64018}. Cell membrane; Multi-pass membrane protein

References

1.Alcohol Clin Exp Res. 2015 Jun;39(6):962-8.2.J Biol Chem. 2012 Nov 23;287(48):40713-21.

Images

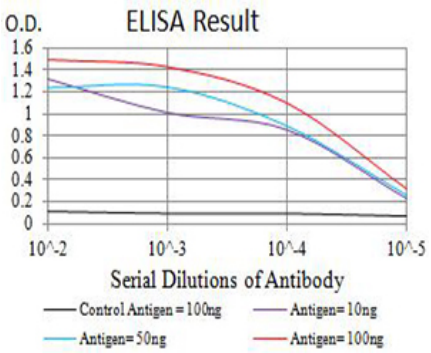

Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

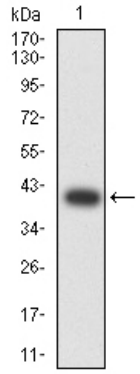

Figure 2:Western blot analysis using GLRA1 mAb against human GLRA1 (AA: extra 29-154) recombinant protein. (Expected MW is 40.3 kDa)

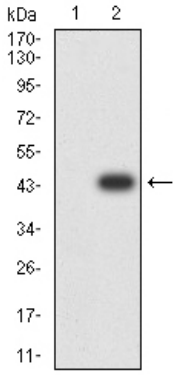

Figure 3:Western blot analysis using GLRA1 mAb against HEK293 (1) and GLRA1 (AA: extra 29-154)-hIgGFc transfected HEK293 (2) cell lysate.

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