

GLRA1
Purified Mouse Monoclonal Antibody
Catalog # AO2610a**Specification**

GLRA1 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	P23415
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	52.6kDa KDa

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

GLRA1 - 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.

GLRA1 - 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

GLRA1 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLRA1 - Images

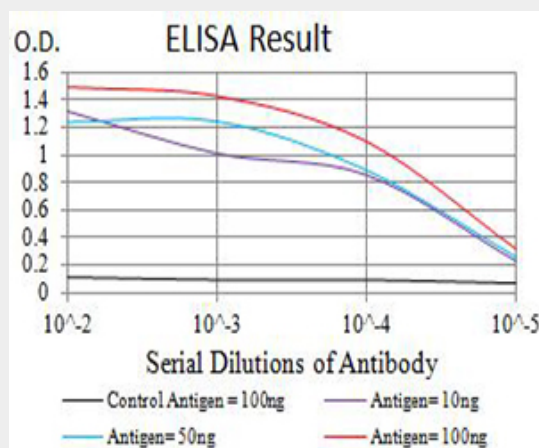


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

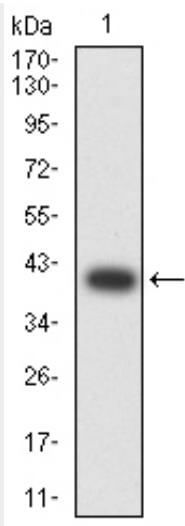


Figure 2:Western blot analysis using GLRA1 mAb against human GLRA1 (AA: extra 29-154) recombinant protein. (Expected MW is 40.3 kDa)

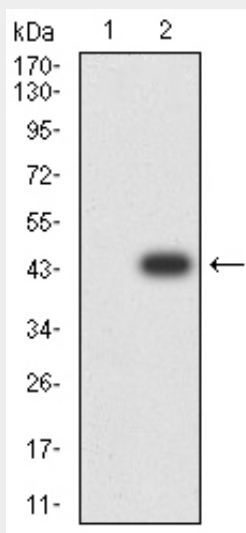


Figure 3:Western blot analysis using GLRA1 mAb against HEK293 (1) and GLRA1 (AA: extra 29-154)-hlgGfc transfected HEK293 (2) cell lysate.

GLRA1 - References

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