

# GLRA1

Purified Mouse Monoclonal Antibody  
Catalog # AO2610a

## Product Information

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

## Additional Information

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<b>Gene ID</b>	2741
<b>Other Names</b>	STHE; HKPX1
<b>Dilution</b>	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
<b>Storage</b>	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.
<b>Precautions</b>	GLRA1 is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GLRA1
<b>Function</b>	Subunit of heteromeric glycine-gated chloride channels (PubMed: <a href="#">14551753</a> , PubMed: <a href="#">23994010</a> , PubMed: <a href="#">25730860</a> , PubMed: <a href="#">37821459</a> ). Plays an important role in the down-regulation of neuronal excitability (PubMed: <a href="#">8298642</a> , PubMed: <a href="#">9009272</a> ). Contributes to the generation of inhibitory postsynaptic currents (PubMed: <a href="#">25445488</a> ). Channel activity is potentiated by ethanol (PubMed: <a href="#">25973519</a> ). 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

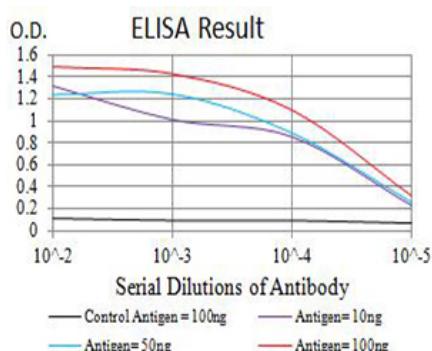


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

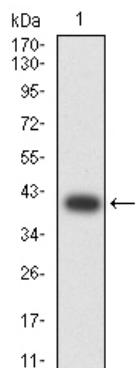


Figure 2: Western blot analysis using GLRA1 mAb against human GLRA1 (AA: extra 29-154) recombinant protein. (Expected MW is 40.3 kDa)

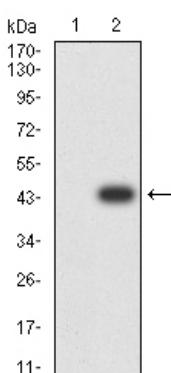


Figure 3: Western blot analysis using GLRA1 mAb against HEK293 (1) and GLRA1 (AA: extra 29-154)-hIgGFc transfected HEK293 (2) cell lysate.

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