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Datasheet for ABIN7154189
anti-GLRA1 antibody (AA 23-113) (HRP)

Overview

Quantity:	100 µg
Target:	GLRA1
Binding Specificity:	AA 23-113
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLRA1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Glycine receptor subunit alpha-1 protein (23-113AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GLRA1
Alternative Name:	GLRA1 (GLRA1 Products)
Background:	Background: Glycine receptors are ligand-gated chloride channels (PubMed:23994010, PubMed:25730860). Channel opening is triggered by extracellular glycine (PubMed:2155780,

Target Details

PubMed:7920629, PubMed:14551753, PubMed:16144831, PubMed:22715885, PubMed:22973015, PubMed:25973519, PubMed:9009272). Channel opening is also triggered by taurine and beta-alanine (PubMed:16144831, PubMed:9009272). Channel characteristics depend on the subunit composition, heteropentameric channels are activated by lower glycine levels and display faster desensitization (PubMed:14551753). 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).

Aliases: GLRA1 antibody, GLRA1_HUMAN antibody, Glycine receptor 48 kDa subunit antibody, Glycine receptor alpha 1 antibody, Glycine receptor strychnine-binding subunit antibody, Glycine receptor subunit alpha-1 antibody, Glycine receptor, alpha 1 subunit antibody, HKPX1 antibody, STHE antibody

UniProt: [P23415](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.