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Glra3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10781

Product Information

Application	WB
Primary Accession	Q91XP5
Other Accession	NM_080438, NP_536686
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53709

Additional Information

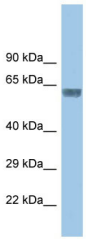
Gene ID	110304
Other Names	Glycine receptor subunit alpha-3, Glra3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Glra3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Glra3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Glra3
Function	Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine (PubMed:15131310, PubMed:20978350). Channel characteristics depend on the subunit composition; heteropentameric channels display faster channel closure (By similarity). Plays an important role in the down-regulation of neuronal excitability. Contributes to the generation of inhibitory postsynaptic currents (PubMed:15131310). Contributes to increased pain perception in response to increased prostaglandin E2 levels (PubMed:15131310). Plays a role in the regulation of breathing rhythm, especially of the duration of the postinspiratory phase (PubMed:20978350). Plays a role in cellular responses to ethanol (By similarity).

Cellular Location	Postsynaptic cell membrane; Multi-pass membrane protein. Synapse. Perikaryon. Cell projection, dendrite {ECO:0000250|UniProtKB:P24524}. Cell membrane; Multi-pass membrane protein. Note=Partially colocalizes with GPHN that is known to mediate receptor clustering at postsynaptic membranes
Tissue Location	Detected in brainstem, also in neurons that control rhythmic breathing (PubMed:20978350). Detected in superficial laminae of the dorsal horn of the thoracic spinal cord (PubMed:15131310) Detected in dentate gyrus in hippocampus, especially in stratum granulare (PubMed:19723286). Detected in the inner plexiform layer in the retina (at protein level) (PubMed:12975813). Detected in midbrain, thalamus, brain cortex, hippocampus, and at lower levels in cerebellum (PubMed:19723286).

Images



WB Suggested Anti-Glra3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine

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