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Glra3 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10781

Specification

Glra3 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q91XP5
Other Accession	NM_080438, NP_536686
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**56kDa KDa**

Glra3 antibody - middle region - 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.

Glra3 antibody - middle region - 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

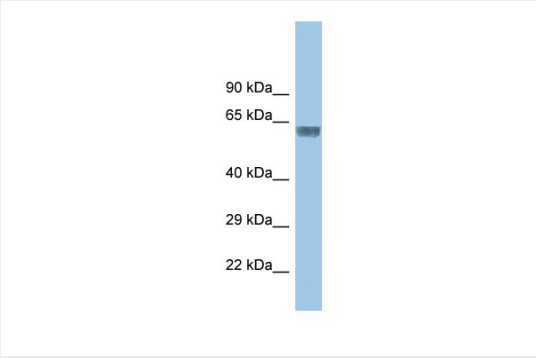
Tissue Location
Detected in brainstem, also in neurons that control rhythmic breathing (PubMed:20978350). Detected in superficial laminae of the dorsal horn of the thoracic spinal cord (PubMed:15131310) Detected in dentate gyrus in hippocampus, especially in stratum granulare (PubMed:19723286). Detected 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).

Glra3 antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Glra3 antibody - middle region - Images



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