

Gla3 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10781**Specification**

Gla3 antibody - middle region - Product Information

Application	WB
Primary Accession	O91XP5
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

Gla3 antibody - middle region - Additional Information**Gene ID** 110304**Other Names**

Glycine receptor subunit alpha-3, Gla3

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-Gla3 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

Gla3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Gla3 antibody - middle region - Protein Information**Name** Gla3**Function**

Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine (PubMed: [15131310](http://www.uniprot.org/citations/15131310), PubMed: [20978350](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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

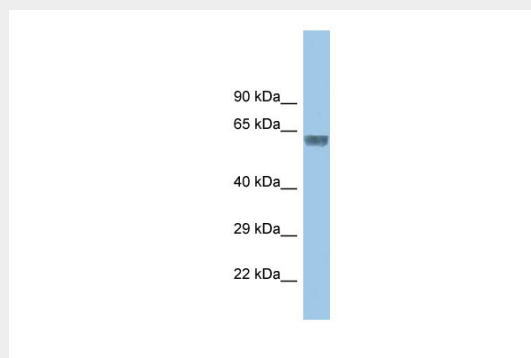
Detected in brainstem, also in neurons that control rhythmic breathing (PubMed:20978350). Detected in superficial laminae of the dorsal horn of the thoracic spinal cord (PubMed:15131310). Detected in dentate gyrus in hippocampus, especially in stratum granulare (PubMed:19723286). Detected in the inner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

Gira3 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 Cytometry](#)
- [Cell Culture](#)

Gira3 antibody - middle region - Images



WB Suggested Anti-Gira3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine