10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Gpr88 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12125

Specification

Gpr88 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9ESP4
Other Accession	NM_031696, NP_113884
Reactivity	**Human, Mouse, Rat, Rabbit, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40kDa KDa**

Gpr88 antibody - C-terminal region - Additional Information

Gene ID 64443

Alias Symbol	**Gpr88**

Other Names
Probable G-protein coupled receptor 88, Striatum-specific G-protein coupled receptor, Gpr88, Strg

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-Gpr88 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
Gpr88 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Gpr88 antibody - C-terminal region - Protein Information

Name Gpr88

Synonyms Strg

Function
Orphan G protein-coupled receptor implicated in a large repertoire of behavioral responses that engage motor activities, spatial learning, and emotional processing (PubMed:25155879). May play a role in the regulation of cognitive and motor function (By similarity). Couples with the heterotrimeric G protein complex of the G(i) subfamily, consisting of GNAI1, GNB1 and GNG2, thereby acting through a G(i)-mediated pathway (By similarity). Plays a role in the attenuation of D1 dopamine receptor (D1R)-mediated cAMP response in ciliated cells (By similarity). In

non-ciliated cells, involved in the inhibition of the beta-2 adrenergic receptor (B2AR) response (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Cell projection, cilium membrane {ECO:0000250|UniProtKB:Q9GZN0}; Multi-pass membrane protein. Cytoplasm. Nucleus. Note=Localized to cilia in ciliated cells; whereas in non-ciliated cells, distributed throughout the cell membrane (By similarity). During cortical lamination, subcellular location shifts, on the day of birth, from expression at the plasma membrane and in the cytoplasm to the nuclei of neurons. This intranuclear localization remains throughout adulthood {ECO:0000250|UniProtKB:Q9GZN0, ECO:0000269|PubMed:26918661}

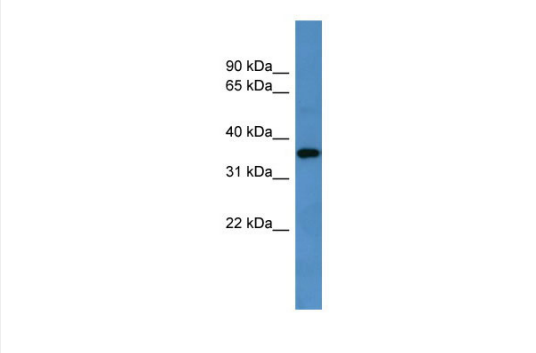
Tissue Location
Expressed predominantly in the striatum (PubMed:11056049). Expressed also in olfactory tubercle, nucleus accumbens, amygdala, and neocortex. Spinal cord, pons, and medulla expression remains discrete (PubMed:26918661). Also expressed in peripheral tissues, including adrenal cortex (16 dpc to 21 dpc) and cochlear ganglia (19 dpc to P3) and also at moderate levels in retina (18 dpc to 19 dpc) and spleen (21 dpc to P7) (PubMed:26918661)

Gpr88 antibody - C-terminal 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

Gpr88 antibody - C-terminal region - Images



WB Suggested Anti-Gpr88 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Rat Brain