

Gpr88 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12125

Product Information

Application	WB
Primary Accession	Q9ESP4
Other Accession	NM_031696 , NP_113884
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Bovine
Predicted	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40200

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.

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).

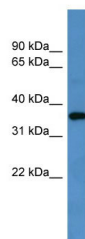
Cellular Location

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)

Images



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

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