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

GPR52 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14870

Product Information

Application	WB
Primary Accession	Q9Y2T5
Other Accession	NM_005684, NP_005675
Reactivity	Human, Mouse, Rat, Pig, Guinea Pig, Bovine
Predicted	Human, Mouse, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41354

Additional Information

Gene ID	9293
Alias Symbol	MGC111751
Other Names	Probable G-protein coupled receptor 52, GPR52
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-GPR52 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	GPR52 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

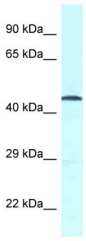
Name	GPR52 {ECO:0000303|PubMed:9931487, ECO:0000312|HGNC:HGNC:4508}
Function	Gs-coupled receptor activated by antipsychotics reserpine leading to an increase in intracellular cAMP and its internalization (PubMed:24587241). May play a role in locomotor activity through modulation of dopamine, NMDA and ADORA2A-induced locomotor activity. These behavioral changes are accompanied by modulation of the dopamine receptor signaling pathway in striatum (PubMed:24587241). Modulates HTT level via cAMP-dependent but PKA independent mechanisms throught activation of RAB39B that translocates HTT to the endoplasmic reticulum, thus avoiding proteasome degradation (PubMed:25738228).
Cellular Location	Cell membrane; Multi-pass membrane protein.

Tissue Location	Expressed in brain, especially in striatum.

References

Sawzdargo M.,et al.Brain Res. Mol. Brain Res. 64:193-198(1999).
Gregory S.G.,et al.Nature 441:315-321(2006).

Images



WB Suggested Anti-GPR52 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

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