

# GPR52 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14870

## Product Information

Application	WB
Primary Accession	<a href="#">Q9Y2T5</a>
Other Accession	<a href="#">NM_005684</a> , <a href="#">NP_005675</a>
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: <a href="#">24587241</a> ). 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: <a href="#">24587241</a> ). Modulates HTT level via cAMP-dependent but PKA independent mechanisms through activation of RAB39B that translocates HTT to the endoplasmic reticulum, thus avoiding proteasome degradation (PubMed: <a href="#">25738228</a> ).
Cellular Location	Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Expressed in brain, especially in striatum.

**References**

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

**Images**

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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'.