

Anti-GPR52 Antibody
Rabbit polyclonal antibody to GPR52
Catalog # AP59776

Specification

Anti-GPR52 Antibody - Product Information

Application	WB
Primary Accession	O9Y2T5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41354

Anti-GPR52 Antibody - Additional Information

Gene ID 9293

Other Names

Probable G-protein coupled receptor 52

Target/Specificity

Recognizes endogenous levels of GPR52 protein.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-GPR52 Antibody - 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 through activation of RAB39B that translocates HTT to the endoplasmic reticulum, thus avoiding proteasome degradation (PubMed:25738228).

Cellular Location

Cell membrane; Multi-pass membrane protein.

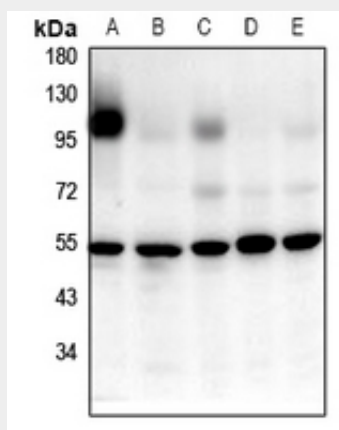
Tissue Location

Expressed in brain, especially in striatum.

Anti-GPR52 Antibody - 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](#)

Anti-GPR52 Antibody - Images

Western blot analysis of GPR52 expression in BV2 (A), PC12 (B), A549 (C), HepG2 (D), HCT116 (E) whole cell lysates.

Anti-GPR52 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR52. The exact sequence is proprietary.