

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

### Specification

---

#### Anti-GPR52 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">O9Y2T5</a>
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:<a href="http://www.uniprot.org/citations/24587241" target="\_blank">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="http://www.uniprot.org/citations/24587241" target="\_blank">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="http://www.uniprot.org/citations/25738228" target="\_blank">25738228</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

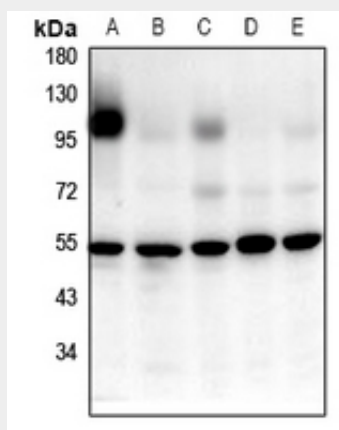
**Tissue Location**

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.