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GPR52 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50214

Specification

GPR52 Antibody - Product Information

Application	**WB**
Primary Accession	Q9Y2T5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41 KDa**
Antigen Region	**335-361**

GPR52 Antibody - Additional Information

Gene ID 9293

Other Names
Probable G-protein coupled receptor 52, GPR52

Dilution
WB~~ 1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

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 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.

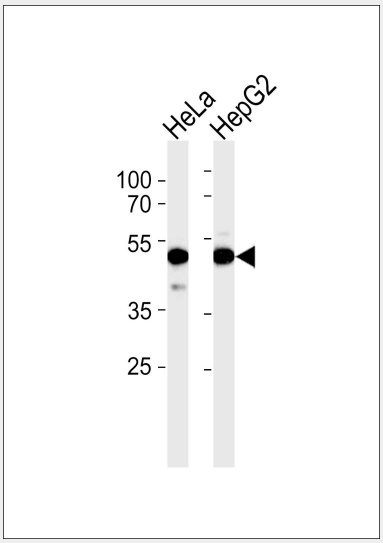
Tissue Location
Expressed in brain, especially in striatum.

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 Cytomety
- Cell Culture

GPR52 Antibody - Images



Western blot analysis of lysates from HeLa, HepG2 cell line (from left to right),using GPR52 Antibody(G344). G344 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

GPR52 Antibody - Background

Orphan receptor.

GPR52 Antibody - References

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