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GPR52 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody

Catalog # ALS10117

Specification

GPR52 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	Q9Y2T5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41kDa KDa**

GPR52 Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 9293

Other Names
Probable G-protein coupled receptor 52, GPR52

Target/Specificity
Human GPR52. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
GPR52 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR52 Antibody (Cytoplasmic Domain) - 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.

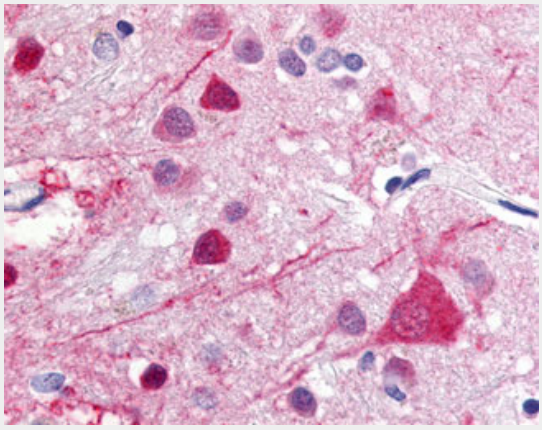
Volume
50 µl

GPR52 Antibody (Cytoplasmic Domain) - 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 (Cytoplasmic Domain) - Images



Anti-GPR52 antibody ALS10117 IHC of human brain.

GPR52 Antibody (Cytoplasmic Domain) - Background

Orphan receptor.

GPR52 Antibody (Cytoplasmic Domain) - References

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