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GPR52 Polyclonal Antibody

Catalog # AP70208

Product Information

Application	WB, E
Primary Accession	Q9Y2T5
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41354

Additional Information

Gene ID	9293
Other Names	GPR52; Probable G-protein coupled receptor 52
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

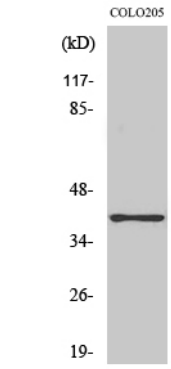
Name	GPR52 {ECO:0000303|PubMed:9931487, ECO:0000312|HGNC:HGNC:4508}
Function	Gs-coupled receptor activated by antipsychotics reserpine leading to an increase in intracellular cAMP and its internalization (PubMed:24587241). May play a role in locomotor activity through modulation of dopamine, NMDA and 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.

Background

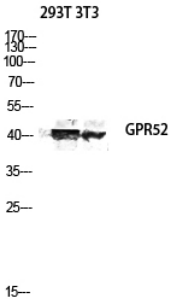
Gs-coupled receptor activated by antipsychotics reserpine leading to an increase in intracellular cAMP and

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).

Images



Western Blot analysis of various cells using GPR52 Polyclonal Antibody diluted at 1：2000



Western blot analysis of 293T 3T3 lysis using GPR52 antibody. Antibody was diluted at 1:2000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.