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Anti-GPR52 Antibody

Rabbit polyclonal antibody to GPR52
Catalog # AP59776

Product Information

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

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) IP~~N/A
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

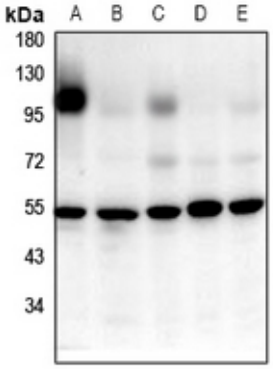
Protein Information

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

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

Images



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