

GPR110 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51235

Product Information

Application	WB
Primary Accession	Q5T601
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101365

Additional Information

Gene ID	266977
Other Names	Probable G-protein coupled receptor 110, G-protein coupled receptor KPG_012, G-protein coupled receptor PGR19, GPR110, PGR19
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR110. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. The antibody was purified by immunogen affinity chromatography.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ADGRF1 {ECO:0000303 PubMed:35418679, ECO:0000312 HGNC:HGNC:18990}
Function	Adhesion G-protein coupled receptor (aGPCR) for N-docosahexaenoyl ethanolamine (synaptamide), an omega-3 fatty acid lipid highly enriched in the brain (PubMed: 27759003 , PubMed: 32144388). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed: 35418679 , PubMed: 36127364 , PubMed: 37120430). ADGRF1 is coupled to G(s) G proteins and mediates activation of adenylate cyclase activity (PubMed: 35418679). Also able to couple to G(q), G(i) and G(12)/G(13) G proteins; additional evidence is however required to confirm this result in vivo (PubMed: 36127364 , PubMed: 37120430). Involved in the development of neurons and cognitive function (By similarity). In liver, involved in fat

accumulation (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Mainly expressed in the kidney. Up-regulated in lung adenocarcinomas and prostate cancers

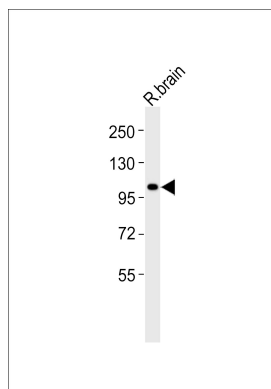
Background

Orphan receptor.

References

Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Okazaki H.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-GPR110 Antibody at 1:1000 dilution + rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 101 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

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