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GPR110 Polyclonal Antibody

Catalog # AP70138

Product Information

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

Additional Information

Gene ID	266977
Other Names	GPR110; PGR19; Probable G-protein coupled receptor 110; G-protein coupled receptor KPG_012; G-protein coupled receptor PGR19
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A 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

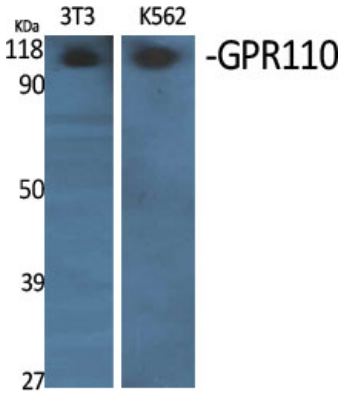
Name	ADGRF1 {ECO:0000303|PubMed:35418679, ECO:0000312|HGNC:HGNC:18990}
Function	Adhesion G protein-coupled receptor (aGPCR) for N-docosahexaenoylethanolamine (synaptamide), an omega-3 fatty acid lipid highly enriched in the brain (PubMed:27759003, PubMed:32144388). Ligand binding causes a conformation 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

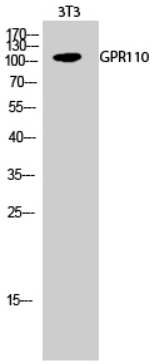
Background

Orphan receptor.

Images



Western Blot analysis of various cells using GPR110 Polyclonal Antibody



Western Blot analysis of 3T3 cells using GPR110 Polyclonal Antibody

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