AYDG1 (YD35953) Rabbit mAb

货号: AYD16608

产品信息

反应	Human
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	FC
推荐浓度	
理论分子量	78kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cell membrane, Secreted, Membrane raft
纯化	

抗原信息

抗原信息	

靶点信息

研究背景	Adhesion G-protein coupled receptor (aGPCR) for steroid hormone 17alpha-hydroxypregnenolone (17-OH) , which is involved in cell adhesion and cell-cell interactions (PubMed:39389061). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and mod ulates the activity of downstream effectors, such as RhoA pathway (PubMed:28874577, PubMed:3541868 2, PubMed:39389061). ADGRG1 is coupled to G(12) and/or G(13) G proteins (GNA12 and GNA13, respecti vely) and mediates the activation Rho small GTPases (PubMed:22238662, PubMed:28424266, PubMed:35 418682, PubMed:39389061). Acts as a potent suppressor of ferroptosis: binding to 17-OH-binding initiate s signaling that down-regulates CD36 and alleviates ferroptosis-induced liver injury (By similarity). Ligand -binding also induces cell adhesion activity via association with proteins such as collagen III/COL3A1 and TGM2 (By similarity). Mediates cell matrix adhesion in developing neurons and hematopoietic stem cells (By similarity). Involved in cortical development, specifically in maintenance of the pial basement membra ne integrity and in cortical lamination: association with COL3A1 in the developing brain inhibits neuronal migration via activation of the RhoA pathway (PubMed:24531968). Together with TGM2, acts as a regulat or of myelination and myelin repair in oligodendrocyte precursor cells (By similarity). Acts as a hemostati c sensor of shear force: G protein-coupled receptor signaling is activated in response to shear force in pla telets, promoting G(13) G protein signaling, and platelet shape change and aggregation in a COL3A1-dep endent manner (PubMed:33097663). Acts as an inhibitor of VEGFA production thereby inhibiting angioge nesis through a signaling pathway mediated by PRKCA (PubMed:16757564, PubMed:19572147, PubMed:2 1724588). Plays a role in the maintenance of hematopoietic stem cells in bone marrow niche (By similarit y). Plays an essential role in testis development (By similarity)
基因**ID**	9289
基因名	ADGRG1
Swiss	Q9Y653
别名	AYDG1 (YD35953)

产品验证

实验步骤

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