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GPR182 Rabbit pAb

Catalog # AP53564

Product Information

Primary Accession	O15218
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	45323

Additional Information

Gene ID	11318
Other Names	AMR; 7TMR; ADMR; AM-R; G10D; L1-R; gamrh; hrhAMR
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

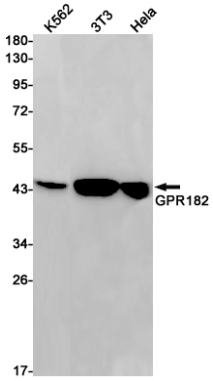
Protein Information

Name	ACKR5 (HGNC:13708)
Function	Atypical chemokine receptor that regulates chemokine levels and localization through chemokine binding, independently of activating classical ligand-induced signaling pathways such as G protein activation and Ca(2+) mobilization (PubMed:33875597, PubMed:35013216, PubMed:37554323, PubMed:38026988). Instead, it mediates chemokine sequestration, transport, or internalization to control their availability (PubMed:33875597, PubMed:35013216, PubMed:37554323, PubMed:38026988). Acts as a scavenger for a broad range of chemokines from CXC, CC and XC chemokine ligand families including CXCL9, CXCL10, CXCL12, CXCL13, CXCL11, CXCL14, CCL1, CCL11, CCL19, CCL25, CCL28 and XCL1 (PubMed:33875597, PubMed:35013216, PubMed:38026988). Is the only atypical receptor for chemokines CXCL13 and CCL28 (PubMed:37554323). Has a strong constitutive association with beta-arrestins, which is essential for intracellular receptor trafficking and chemokine scavenging, and occurs independently of ligand binding (PubMed:33875597, PubMed:37554323). Cooperates with ACKR3 and ACKR4 in regulating serum levels of CXCL12 and CCL19, respectively (PubMed:37554323). Acts as an important modulator of cellular immunity (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Note=Spontaneously traffic between the plasma membrane and endosomes, in a beta-arrestin-dependent manner
Tissue Location	Highly expressed in heart, skeletal muscle, immune system, adrenal gland and liver.

Background

Swiss-Prot Acc.O15218.Orphan receptor.

Images



Western blot detection of GPR182 in K562,C6,3T3,Hela cell lysates using GPR182 Rabbit pAb(1:1000 diluted).Predicted band size:45kDa.Observed band size:45kDa.

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