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ADM receptor Rabbit pAb

Catalog # AP96756

Product Information

Application	WB
Primary Accession	P43142
Other Accession	P43142
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45384
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse ADM receptor
Epitope Specificity	101-200/404
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Adrenomedullin is a potent vasodilator peptide that exerts major effects on cardiovascular function. This gene encodes a seven-transmembrane protein that belongs to the family 1 of G-protein coupled receptors. Studies of the rat counterpart suggest that the encoded protein may function as a receptor for adrenomedullin. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	11536
Other Names	7TMR; ADMR; AM-R; AMR; G10D; GPR182; L1-R; gamrh; hrhAMR; G10-D; Gpcr17; Gpcr22; MB10; NOW; GP182_HUMAN; GP182_MOUSE; GP182_RAT;
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Ackr5
Synonyms	Admr, Gpcr22, Gpr182

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 CCL22, CCL24 and CCL27 (PubMed:33875597, PubMed:35013216, PubMed:37554323, 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: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 (PubMed:37554323).
Cellular Location	Cell membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Note=Spontaneously traffics between the plasma membrane and endosomes, in a beta-arrestin-dependent manner
Tissue Location	Expressed in liver and lung.

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