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C3AR1 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14495

Product Information

Application	WB
Primary Accession	Q16581
Other Accession	NP_004045
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53864

Additional Information

Gene ID	719
Alias Symbol	Name=C3AR1,
Other Names	C3a anaphylatoxin chemotactic receptor, C3AR, C3a-R, C3AR1, AZ3B, C3R1, HNFAG09
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-C3AR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	C3AR1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

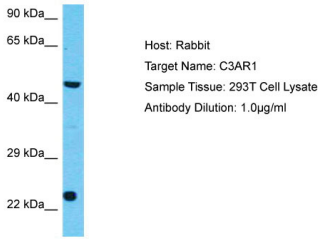
Name	C3AR1 {ECO:0000303|PubMed:37169960, ECO:0000312|HGNC:HGNC:1319}
Function	Receptor for the chemotactic and inflammatory peptide anaphylatoxin C3a, stimulating chemotaxis, granule enzyme release and superoxide anion production (PubMed:12871936, PubMed:37852260, PubMed:8702752). Ligand binding causes 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:37852260). C3AR1 is coupled to G(i)/G(o) (GNAI1 or GNAO1) G alpha proteins and mediates inhibition of adenylate cyclase (PubMed:37852260).
Cellular Location	Cell membrane; Multi-pass membrane protein

Tissue Location	Widely expressed in several differentiated hematopoietic cell lines, in the lung, spleen, ovary, placenta, small intestine, throughout the brain, heart, and endothelial cells (PubMed:8605247, PubMed:8765043, Ref.3). Mostly expressed in lymphoid tissues (PubMed:8605247, PubMed:8765043, Ref.3) {ECO:0000269|PubMed:8605247, ECO:0000269|PubMed:8765043, ECO:0000269|Ref.3}

References

Roglic A.,et al.Biochim. Biophys. Acta 1305:39-43(1996).
Crass T.,et al.Eur. J. Immunol. 26:1944-1950(1996).
Bautsch W.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
Ames R.S.,et al.J. Biol. Chem. 271:20231-20234(1996).
Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.

Images



Host: Rabbit
Target Name: C3AR1
Sample Tissue: 293T Whole cell lysate
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Antibody Dilution: 1.0µg/ml

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