

Rabbit C3AR / C3a Receptor Polyclonal Antibody | anti-C3AR1 antibody

Rabbit Polyclonal to Human C3AR / C3a Receptor

CATALOG # AAA52304	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Monkey	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

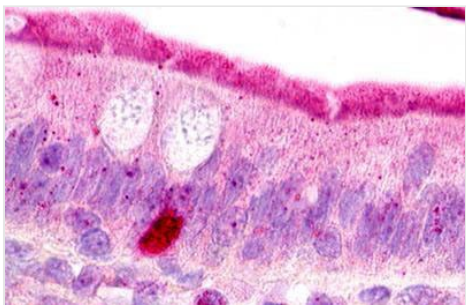
C3AR / C3a Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human C3AR / C3a Receptor; Anti-C3AR / C3a Receptor Antibody (Extracellular Domain) IHC-plus; C3AR1; AZ3B; C3AR; C3R1; C3a receptor; C3a-R; HNFAG09; Anaphylatoxin c3a receptor; C3a anaphylatoxin receptor; Human C3AR; C3a Receptor; anti-C3AR1 antibody

PRODUCT SPECIFICATIONS

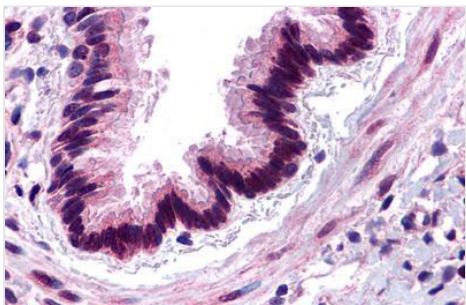
Host	Rabbit
Reactivity	Human Predicted Reactivity: Monkey
Clonality	Polyclonal
Specificity	Human C3a Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ADRA1A (40%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-C3AR1 antibody	IHC (Immunohistochemistry)
Target Species	C3AR/C3a Receptor
Family/Subfamily	GPCR/Anaphylatoxin
Immunogen Species	C3AR/C3a Receptor antibody was raised against Human.
Antigen Type	Synthetic peptide
Immunogen	C3AR / C3a Receptor antibody was raised against synthetic 20 amino acid peptide from 2nd extracellular domain of human C3a Receptor. Percent identity with other species by BLAST analysis: Human (100%); Gorilla, Marmoset (95%); Orangutan, Gibbon (90%).
Epitope Domain	Extracellular Domain
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Note	During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-C3AR / C3a Receptor antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 17.3 ug/ml.



IHC (Immunohistochemistry)
Anti-C3AR / C3a Receptor antibody IHC of human lung, respiratory epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 17.3 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-C3AR1 antibody	The C3a Anaphylatoxin Receptor mediates the effects of the inflammatory mediator anaphylatoxin C3a, which is released during complement activation. This receptor stimulates chemotaxis, granule enzyme release, and superoxide anion production. It also regulates glial cell activation, may be involved in the pathogenesis of asthma, and may promote cell repair.
Product Categories/Family for anti-C3AR1 antibody	Family: GPCR; Subfamily: Anaphylatoxin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757888
NCBI GeneID	719
NCBI Accession #	NP_004045.1
NCBI GenBank Nucleotide #	NM_004054.2
UniProt Accession #	Q16581; O43771; Q92868
NCBI Official Full Name	C3a anaphylatoxin chemotactic receptor
NCBI Official Synonym Full Names	complement component 3a receptor 1
NCBI Official Symbol	C3AR1
NCBI Official Synonym Symbols	AZ3B; C3AR; HNFAG09
NCBI Protein Information	C3a anaphylatoxin chemotactic receptor; C3a-R; complement component 3 receptor 1
UniProt Protein Name	C3a anaphylatoxin chemotactic receptor
UniProt Gene Name	C3AR1
UniProt Synonym Gene Names	AZ3B; C3R1; HNFAG09; C3AR; C3a-R
UniProt Entry Name	C3AR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.