abcam

ab325839

Anti-C3AR1 antibody [HL2831] - BSA and Azide free

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human C3AR1. Database link Q16581
Carrier free	Yes
Clone number	HL2831
Purification technique	Affinity purification Protein A

Reactivity data

WB

Tested

Species	Transfected cell lysate - Human
Dilution info	1/5000
Notes	-

Species	Human
Dilution info	1/1000

Notes	-

Not recommended

Species	Transfected cell line - Human
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Transfected cell line - Human
Dilution info	1/500
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Transfected cell lysate - Human
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Not recommended

Species	Transfected cell lysate - Human, Transfected cell line - Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	5 µg/mL
Notes	-

Not recommended

Species	Transfected cell lysate - Human, Transfected cell line - Human
Dilution info	-
Notes	-

Target data

See full target information C3AR1

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).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

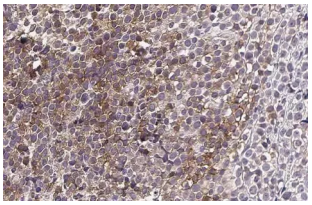
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

5 product images

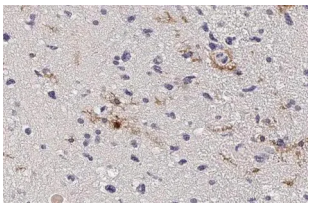


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C3AR1 antibody [HL2831] - BSA and Azide free (ab325839)

C3AR1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Paraffin-embedded human glioblastoma using rabbit Anti-C3AR1 antibody

ab325839 detects C3a Receptor protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded human glioblastoma. C3a Receptor stained by ab325839

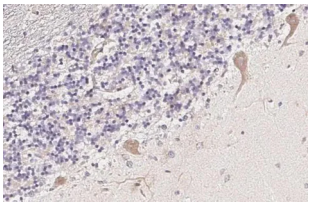
diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C3AR1 antibody [HL2831] - BSA and Azide free (ab325839)

C3AR1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Paraffin-embedded HL-60 xenograft using rabbit Anti-C3AR1 antibody

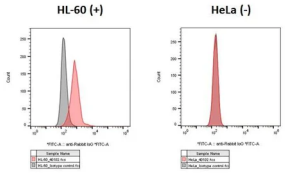
ab325839 detects C3a Receptor protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded HL-60 xenograft. C3a Receptor stained by ab325839 diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C3AR1 antibody [HL2831] - BSA and Azide free (ab325839)

C3AR1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Paraffin-embedded human cerebellum using rabbit Anti-C3AR1 antibody

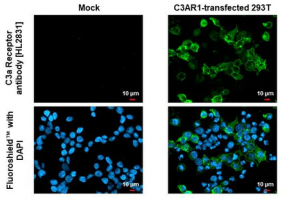
ab325839 detects C3a Receptor protein by immunohistochemical analysis. Sample: Paraffin-embedded human cerebellum. C3a Receptor stained by ab325839 diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Flow Cytometry - Anti-C3AR1 antibody [HL2831] - BSA and Azide free (ab325839)

C3AR1 Flow Cytometry staining using rabbit Anti-C3AR1 antibody

ab325839 detects C3a Receptor protein by flow cytometry analysis. Sample: non-fixed and non-permeabilized HL-60 or HeLa cells were stained with 5 ug/ml (red) or a Rabbit monoclonal IgG isotype control (grey) in 1% FBS/ 5mM EDTA/PBS at 4°C for 1 hour.



Immunocytochemistry/ Immunofluorescence - Anti-C3AR1 antibody [HL2831] - BSA and Azide free (ab325839)

C3AR1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-C3AR1 antibody

ab325839 detects C3a Receptor protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in ice-cold MeOH for 5 min. Green: C3a Receptor stained by ab325839 diluted at 1:500. Blue: Fluoroshield with DAPI.

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