

C3aR Rabbit pAb

CatalogNo: YT0568

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 54kD (Calculated)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human C3AR1. AA range: 175-224

Specificity

C3aR Polyclonal Antibody detects endogenous levels of C3aR protein.

Target Information

Gene name C3AR1

Protein Name C3a anaphylatoxin chemotactic receptor

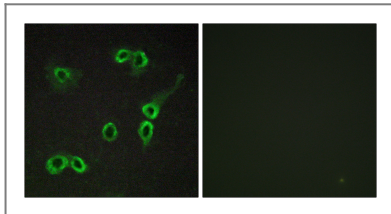
Organism	Gene ID	UniProt ID
Human	719;	Q16581;
Mouse		O09047;

Cellular Localization Cell membrane; Multi-pass membrane protein.

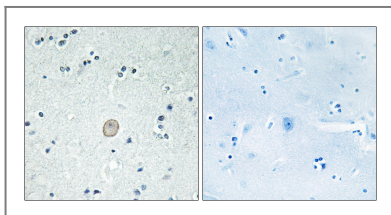
Tissue specificity Widely expressed in several differentiated hematopoietic cell lines, in the lung, spleen, ovary, placenta, small intestine, throughout the brain, heart, and endothelial cells. Mostly expressed in lymphoid tissues.

Function Function:Receptor for the chemotactic and inflammatory peptide anaphylatoxin C3a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production.,PTM:Among the sulfation sites Tyr-174 is essential for binding of C3a anaphylatoxin.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Widely expressed in several differentiated hematopoietic cell lines, in the lung, spleen, ovary, placenta, small intestine, throughout the brain, heart, and endothelial cells. Mostly expressed in lymphoid tissues.,

Validation Data



Immunofluorescence analysis of COS7 cells, using C3AR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using C3AR1 Antibody. The picture on the right is blocked with the synthesized peptide.

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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