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Anti-CD88 Antibody
Rabbit polyclonal antibody to CD88
Catalog # AP60545

Specification

Anti-CD88 Antibody - Product Information

Application	**WB, IF/IC, IHC**
Primary Accession	P21730
Other Accession	P30993
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39336**

Anti-CD88 Antibody - Additional Information

Gene ID 728

Other Names
C5AR; C5R1; C5a anaphylatoxin chemotactic receptor 1; C5a anaphylatoxin chemotactic receptor; C5a-R; C5aR; CD88

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD88. The exact sequence is proprietary.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)
IF/IC~~N/A
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-CD88 Antibody - Protein Information

Name C5AR1

Synonyms C5AR, C5R1

Function
Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:10636859, PubMed:15153520, PubMed:<a

href="http://www.uniprot.org/citations/1847994" target="_blank">1847994, PubMed:29300009, PubMed:7622471, PubMed:8182049, PubMed:9553099). The ligand interacts with at least two sites on the receptor: a high- affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events (PubMed:7622471, PubMed:8182049, PubMed:9553099). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:10636859, PubMed:15153520).

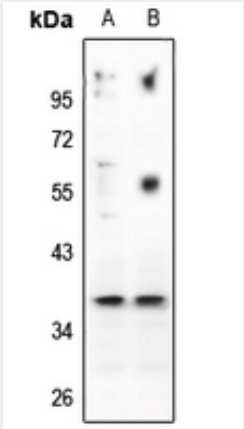
Cellular Location
Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Note=Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles

Anti-CD88 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD88 Antibody - Images



Western blot analysis of CD88 expression in A375 (A), HEK293T (B) whole cell lysates.

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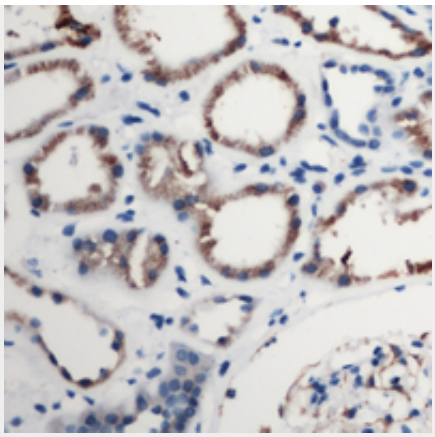
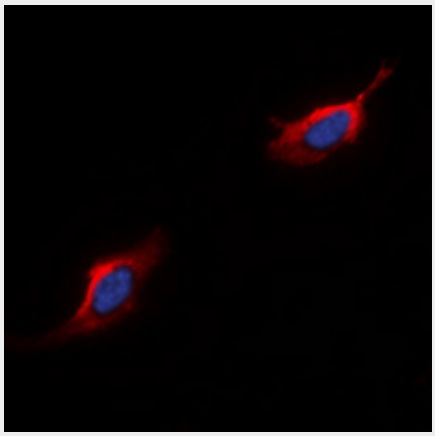


Immunohistochemical analysis of CD88 staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CD88 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-CD88 Antibody - Background

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