

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

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**Anti-CD88 Antibody - Product Information**

Application	WB, IF/IC, IHC
Primary Accession	<a href="#">P21730</a>
Other Accession	<a href="#">P30993</a>
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**

Recognizes endogenous levels of CD88 protein.

**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:&lt;a href="http://www.uniprot.org/citations/10636859" target="\_blank"&gt;10636859&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/15153520" target="\_blank"&gt;15153520&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/1847994" target="\_blank"&gt;1847994&lt;/a&gt;, PubMed:&lt;a

href="http://www.uniprot.org/citations/29300009" target="\_blank">29300009</a>, PubMed:<a href="http://www.uniprot.org/citations/7622471" target="\_blank">7622471</a>, PubMed:<a href="http://www.uniprot.org/citations/8182049" target="\_blank">8182049</a>, PubMed:<a href="http://www.uniprot.org/citations/9553099" target="\_blank">9553099</a>). 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:<a href="http://www.uniprot.org/citations/7622471" target="\_blank">7622471</a>, PubMed:<a href="http://www.uniprot.org/citations/8182049" target="\_blank">8182049</a>, PubMed:<a href="http://www.uniprot.org/citations/9553099" target="\_blank">9553099</a>). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:<a href="http://www.uniprot.org/citations/10636859" target="\_blank">10636859</a>, PubMed:<a href="http://www.uniprot.org/citations/15153520" target="\_blank">15153520</a>).

### Cellular Location

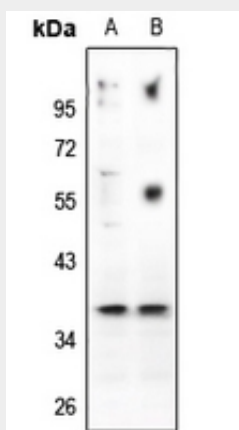
Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Note=Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles

### Anti-CD88 Antibody - Protocols

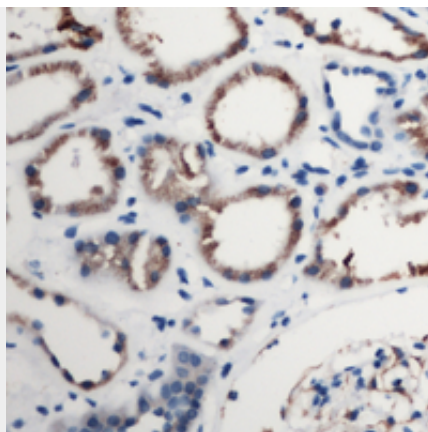
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

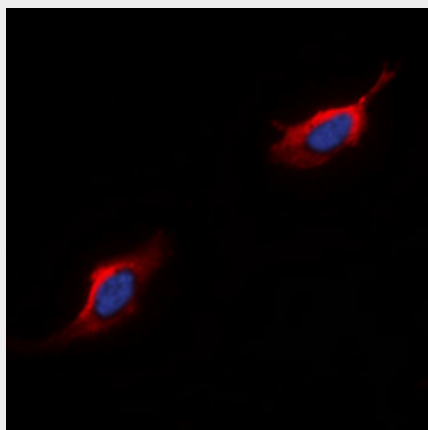
### Anti-CD88 Antibody - Images



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



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 humidified 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**

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