

## CD88 Polyclonal Antibody

<b>Catalog No :</b>	YT0781
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CD88
<b>Fields :</b>	>>Neuroactive ligand-receptor interaction;>>Complement and coagulation cascades;>>Neutrophil extracellular trap formation;>>Alcoholic liver disease;>>Staphylococcus aureus infection;>>Coronavirus disease - COVID-19
<b>Gene Name :</b>	C5AR1
<b>Protein Name :</b>	C5a anaphylatoxin chemotactic receptor
<b>Human Gene Id :</b>	728
<b>Human Swiss Prot No :</b>	P21730
<b>Mouse Swiss Prot No :</b>	P30993
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human N ternal CD88/C5aR. AA range:301-350
<b>Specificity :</b>	CD88 Polyclonal Antibody detects endogenous levels of CD88 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

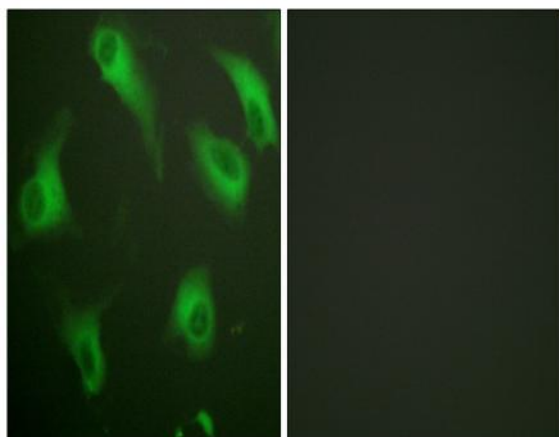
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<b>Storage Stability :</b>	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
<b>Observed Band :</b>	<u>45kD</u>
<b>Cell Pathway :</b>	<u>Neuroactive ligand-receptor interaction;Complement and coagulation cascades;</u>
<b>Background :</b>	<u>function:Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production.,PTM:Sulfation plays a critical role in the association of the receptor with C5a, but no significant role in the ability of the receptor to transduce a signal and mobilize calcium in response to a small peptide agonist.,similarity:Belongs to the G-protein coupled receptor 1 family.,</u>
<b>Function :</b>	<u>function:Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production.,PTM:Sulfation plays a critical role in the association of the receptor with C5a, but no significant role in the ability of the receptor to transduce a signal and mobilize calcium in response to a small peptide agonist.,similarity:Belongs to the G-protein coupled receptor 1 family.,</u>
<b>Subcellular Location :</b>	<u>Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle . Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles. .</u>
<b>Expression :</b>	<u>Brain,</u>
<b>Tag :</b>	<u>orthogonal</u>
<b>Sort :</b>	<u>3694</u>
<b>No4 :</b>	<u>1</u>
<b>Host :</b>	<u>Rabbit</u>
<b>Modifications :</b>	<u>Unmodified</u>

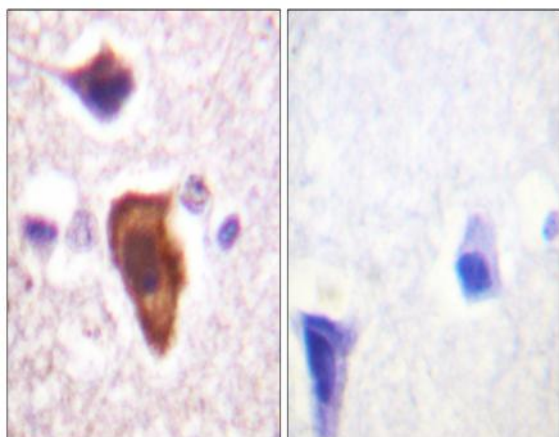
## Products Images



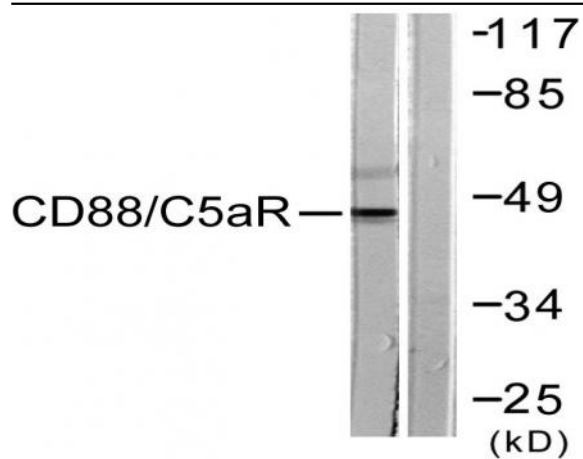
Western Blot analysis of various cells using CD88 Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using CD88/C5aR Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CD88/C5aR Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, treated with PMA 125ng/ml 30', using CD88/C5aR Antibody. The lane on the right is blocked with the synthesized peptide.