

# Product Data Sheet

## Anti-CD131 (Phospho-Y593) Antibody

Catalog #	Source	Reactivity	Applications
CPA3188	Rabbit	H, S	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to CD131 (Phospho-Y593)		
<b>Immunogen</b>	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y593 of human CD131 protein. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of CD131 protein only when phosphorylated at Y593.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/1000), IH (1/50 - 1/100)		
<b>Gene Symbol</b>	CSF2RB		
<b>Alternative Names</b>	IL3RB; IL5RB; Cytokine receptor common subunit beta; CDw131; GM-CSF/IL-3/IL-5 receptor common beta subunit; CD131		
<b>Entrez Gene</b>	1439 (Human)		
<b>SwissProt</b>	P32927 (Human)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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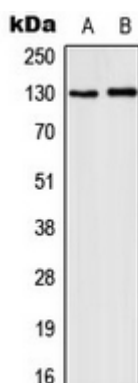
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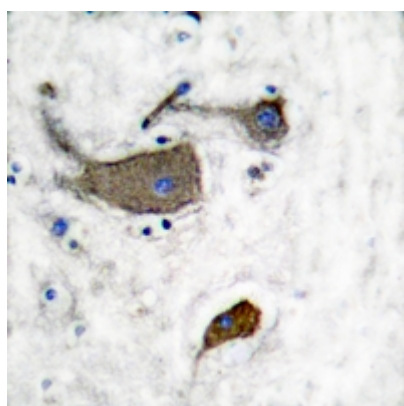
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Western blot analysis of CD131 (Phospho-Y593) expression in MCF7 IL1b-treated (A), HepG2 LPS-treated (B) whole cell lysates. (Predicted band size: 97 kD; Observed band size: 130 kD)



Immunohistochemical analysis of CD131 (Phospho-Y593) staining in human brain 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.

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