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# anti-CNTF Receptor alpha antibody (Extracellular)





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Quantity:	50 μL	
Target:	CNTF Receptor alpha (CNTFR)	
Binding Specificity:	AA 164-178, Extracellular	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CNTF Receptor alpha antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide	
	Immunogen Sequence: CHIRYMHLFSTIKYK, corresponding to amino acid residues 164-178 of	
	rat CNTFRalpha	
Isotype:	IgG	
Characteristics:	Anti-CNTFRα (extracellular) Antibody (ABIN7043071 and ABIN7044187)) is a highly specific	
	antibody directed against an epitope of the rat protein. The antibody can be used in western	
	blot and immunohistochemistry applications. The antibody recognizes an extracellular epitope	
	and can potentially detect the receptor in living cells. It has been designed to recognize CNTF	
	receptor α from human, mouse, and rat samples.	
Purification:	Affinity purified on immobilized antigen.	

### **Target Details**

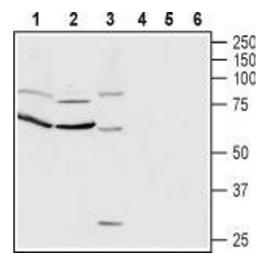
Target:	CNTF Receptor alpha (CNTFR)
Alternative Name:	CNTFRalpha (CNTFR Products)
Background:	Alternative names: CNTFRalpha, Ciliary neurotrophic factor receptor subunit alpha, CNTF receptor alpha, CNTFR alpha
Gene ID:	313173
NCBI Accession:	NM_001207011
UniProt:	Q08406
Pathways:	JAK-STAT Signaling, Feeding Behaviour

# Application Details

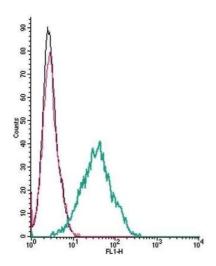
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.  Upon arrival, it should be stored at -20°C.  Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.  For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



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### **Western Blotting**

**Image 1.** Western blot analysis of rat brain (lanes 1 and 4), rat cortex (lanes 2 and 5) and mouse brain (lanes 3 and 6) lysates: - 1-3. Anti-CNTFR $\alpha$  (extracellular) Antibody (ABIN7043071 and ABIN7044187), (1:200).4-6. Anti-CNTFR $\alpha$  (extracellular) Antibody, preincubated with CNTFR $\alpha$  (extracellular) Blocking Peptide (#BLP-CR051).

### **Immunohistochemistry**

Image 2. Expression of CNTF receptor  $\alpha$  in rat hippocampus - Immunohistochemical staining of rat hippocampal CA1 region using Anti-CNTFR $\alpha$  (extracellular) Antibody (ABIN7043071 and ABIN7044187), (1:400). A. CNTFR $\alpha$  staining (green) appears in astrocytes in the CA1 region (arrows). B. Nuclei staining using DAPI as the counterstain (green). C. Merged image of panels A and B.

### **Flow Cytometry**

**Image 3.** Cell surface detection of CNTF receptor  $\alpha$  by indirect flow cytometry in live intact mouse BV-2 microglia cells:(black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-CNTFR $\alpha$  (extracellular) Antibody (ABIN7043071 and ABIN7044187), (5  $\mu$ g) + goat-anti-rabbit-FITC.