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# anti-Neurexin 1 antibody (Extracellular, N-Term)

2 Images



Go to Product page

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Quantity:	25 μL	
Target:	Neurexin 1 (NRXN1)	
Binding Specificity:	AA 546-560, Extracellular, N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Neurexin 1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KPRHQKDAKHPQMIK, corresponding to amino acid residues 546-	
	560 of rat Nrxn1alpha	
Isotype:	IgG	
Characteristics:	Anti-Neurexin $1\alpha$ (extracellular) Antibody (ABIN7043357, ABIN7044676 and ABIN7044677)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and live cell imaging applications. The antibody recognizes an extracellular epitope and is therefore, highly suited to recognize neurexin $1\alpha$ in living cells. It has been designed to recognize Nrxn $1\alpha$ from rat, mouse and human samples.	
Purification:	Affinity purified on immobilized antigen.	

### **Target Details**

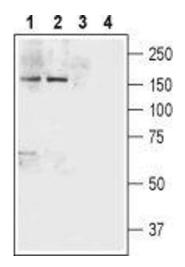
Target:	Neurexin 1 (NRXN1)
Alternative Name:	Neurexin 1alpha (NRXN1 Products)
Background:	Alternative names: Neurexin 1alpha, Neurexin I-alpha, Nrxn1
Gene ID:	60391
NCBI Accession:	NM_001135659
UniProt:	Q63372
Pathways:	Synaptic Membrane, Skeletal Muscle Fiber Development

### **Application Details**

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

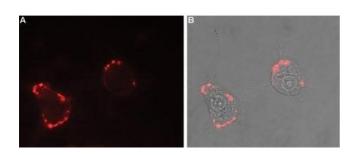
## Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ 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).



#### **Western Blotting**

**Image 1.** Western blot analysis of rat brain (lanes 1 and 3) and mouse brain (lanes 2 and 4) lysates: - 1,2. Anti-Neurexin  $1\alpha$  (extracellular) Antibody (ABIN7043357, ABIN7044676 and ABIN7044677), (1:400).3,4. Anti-Neurexin  $1\alpha$  (extracellular) Antibody, preincubated with Neurexin  $1\alpha$  (extracellular) Blocking Peptide (#BLP-NR031).



#### **Immunocytochemistry**

**Image 2.** Expression of Nrxn1 $\alpha$  in rat PC12 cells - Cell surface detection of Nrxn1 $\alpha$  in intact living rat pheochromocytoma (PC12) cells. A. Extracellular staining of cells using Anti-Neurexin 1 $\alpha$  (extracellular) Antibody (ABIN7043357, ABIN7044676 and ABIN7044677), (1:50), (red). B. Merge of A with the live view of the cell.