

Datasheet for ABIN7043359

## anti-Neurexin 3 antibody (Extracellular, N-Term)



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### 2 Images

#### Overview

Quantity:	25 µL
Target:	Neurexin 3 (NRXN3)
Binding Specificity:	AA 39-52, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurexin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RYLRWDASTRSDLS, corresponding to amino acid residues 39-52 of rat Nrnx3alpha
Isotype:	IgG
Cross-Reactivity (Details):	Designed to recognize Neurexin 3α and not Neurexin 3β.
Characteristics:	Anti-Neurexin 3alpha (extracellular) Antibody is directed against an epitope of rat Neurexin 3α. Anti-Neurexin 3α (extracellular) Antibody (ABIN7043359, ABIN7044678 and ABIN7044679)) can be used in western blot and immunohistochemistry applications. The antibody recognizes an extracellular epitope and is therefore, highly suited to recognize Nrnx3α in living cells. It has been designed to recognize Nrnx3α from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

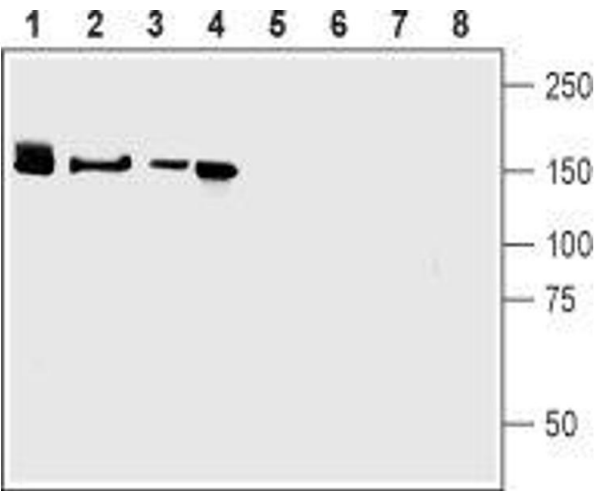
Target:	Neurexin 3 (NRXN3)
Alternative Name:	Neurexin 3alpha ( <a href="#">NRXN3 Products</a> )
Background:	Alternative names: Neurexin 3alpha, Nrnx3, NRX3A, Neurexin III-alpha
Gene ID:	116508
NCBI Accession:	<a href="#">NM_001105250</a>
UniProt:	<a href="#">Q07310</a>

## Application Details

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

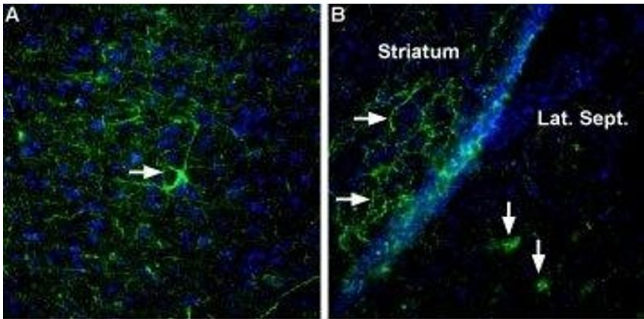
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



### Western Blotting

**Image 1.** Western blot analysis of mouse brain (lanes 1 and 5), rat brain (lanes 2 and 6), human brain neuroblastoma (SH-SY5Y) cells (lanes 3 and 7) and rat Pheochromocytoma (PC-12) cells (lanes 4 and 8): - 1-4. Anti-Neurexin 3 $\alpha$  (extracellular) Antibody (ABIN7043359, ABIN7044678 and ABIN7044679), (1:200). 5-8. Anti-Neurexin 3 $\alpha$  (extracellular) Antibody, preincubated with Neurexin 3 $\alpha$  (extracellular) Blocking Peptide (#BLP-NR033).



### Immunohistochemistry

**Image 2.** Expression of Neurexin 3 $\alpha$  in rat and mouse brain - Immunohistochemical staining of rat entorhinal cortex (A) and mouse striatum and lateral septum (B) using Anti-Neurexin 3 $\alpha$  (extracellular) Antibody (ABIN7043359, ABIN7044678 and ABIN7044679), (1:400). A. Nrnx3 $\alpha$  staining (green) appears in neuronal outlines in entorhinal cortex (arrow). B. Nrnx3 $\alpha$  staining appeared in axonal processes in striatum (horizontal arrow) and in neuronal cell bodies in lateral septum (vertical arrows). DAPI is used as the counterstain (blue).