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# Datasheet for ABIN7043355 anti-Neuregulin 2 antibody (Extracellular, N-Term)





Overview

Quantity:	50 µL
Target:	Neuregulin 2 (NRG2)
Binding Specificity:	AA 297-311, Extracellular, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuregulin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)RDIRIKYGNGRKNSR, corresponding to amino acid residues 297-311
	of rat Neuregulin-2
lsotype:	IgG
Isotype: Characteristics:	
	lgG
	IgG Anti-NRG2 (extracellular) Antibody (ABIN7043355, ABIN7044720 and ABIN7044721)) is a highly
	lgG Anti-NRG2 (extracellular) Antibody (ABIN7043355, ABIN7044720 and ABIN7044721)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in

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### Target Details

Target:	Neuregulin 2 (NRG2)
Alternative Name:	NRG2 (NRG2 Products)
Background:	Alternative names: NRG2, Neuregulin-2, Pro-neuregulin-2 membrane-bound isoform, Pro-NRG2, Neural- and thymus-derived activator for ErbB kinases, NTAK
Gene ID:	432361
NCBI Accession:	NM_013982
UniProt:	035569
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

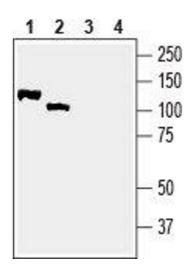
## Application Details

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

## Handling

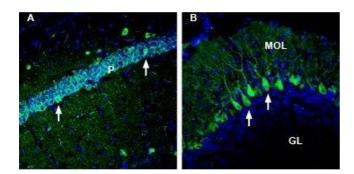
Format:	Lyophilized
Reconstitution:	25 $\mu\text{L}$ , 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
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:	<ul> <li>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.</li> <li>Upon arrival, it should be stored at -20°C.</li> <li>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.</li> <li>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).</li> </ul>

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#### Western Blotting

**Image 1.** Western blot analysis of rat brain membranes (lanes 1 and 3) and mouse brain lysate (lanes 2 and 4): - 1,2. Anti-NRG2 (extracellular) Antibody (ABIN7043355, ABIN7044720 and ABIN7044721), (1:200).3,4. Anti-NRG2 (extracellular) Antibody, preincubated with NRG2 (extracellular) Blocking Peptide (#BLP-NR114).



#### Immunohistochemistry

**Image 2.** Expression of Neuregulin-2 in mouse hippocampus and cerebellum - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-NRG2 (extracellular) Antibody (ABIN7043355, ABIN7044720 and ABIN7044721), (1:300), followed by goat anti-rabbit-AlexaFluor-488. A. NRG2 staining in CA1 hippocampal region (green) is detected in the pyramidal layer (P, arrows). B. Staining in the cerebellum (green) is observed in Purkinje cells (arrows). Mol= Molecular layer, GL= Granular layer. Cell nuclei are stained with DAPI (blue).

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