

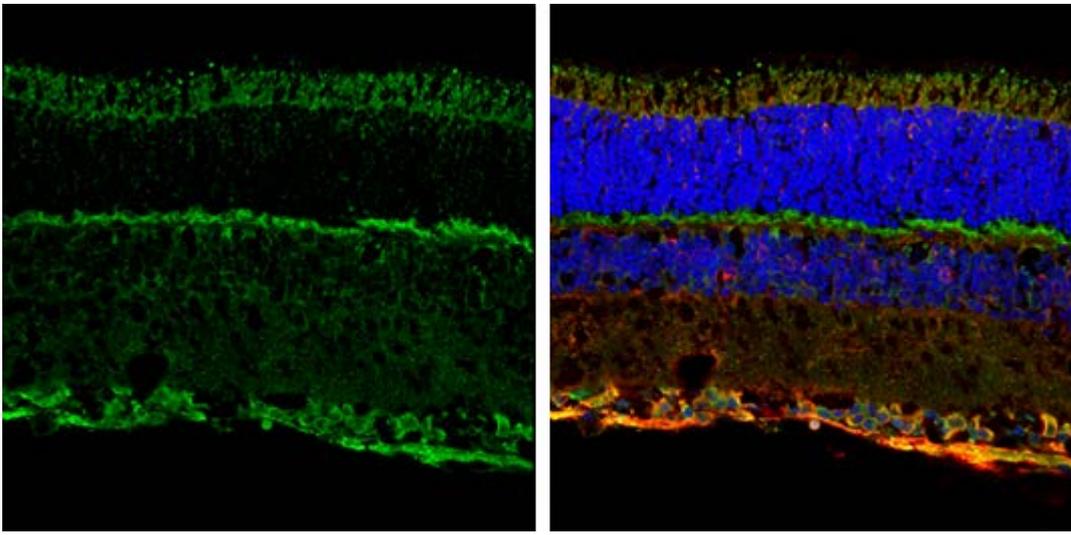


GeneTex, Inc : Toll Free 1-877-GeneTex (1-877-436-3839) Fax:1-949-309-2888 info@genetex.com

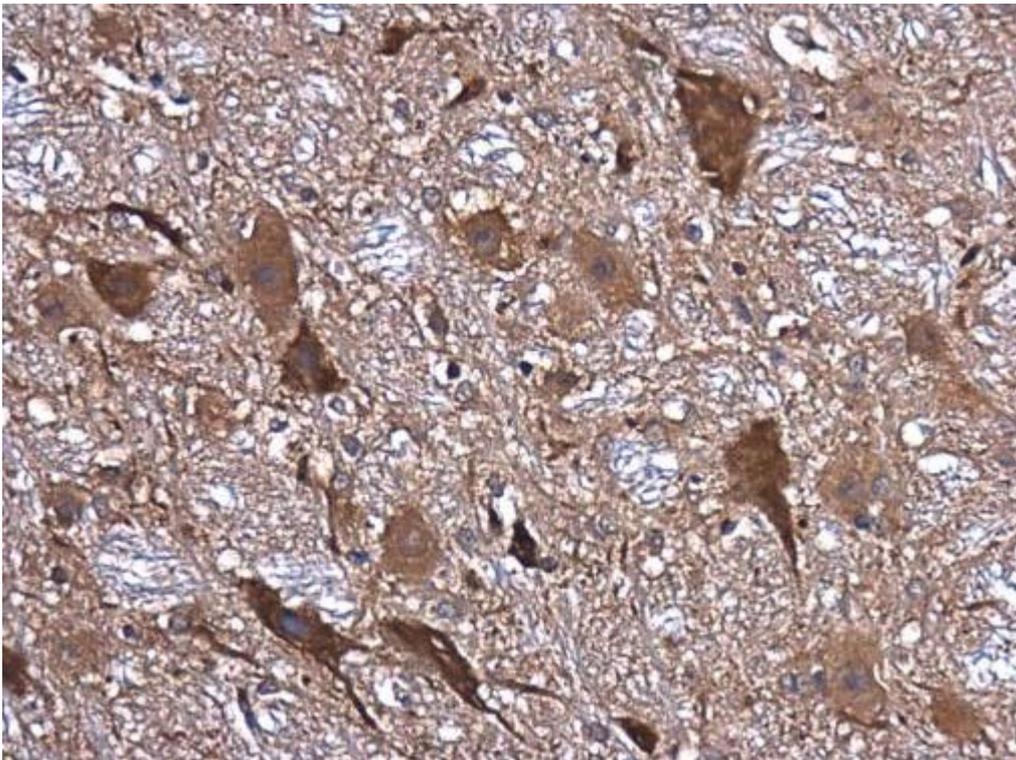
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Date : 2018/08/02

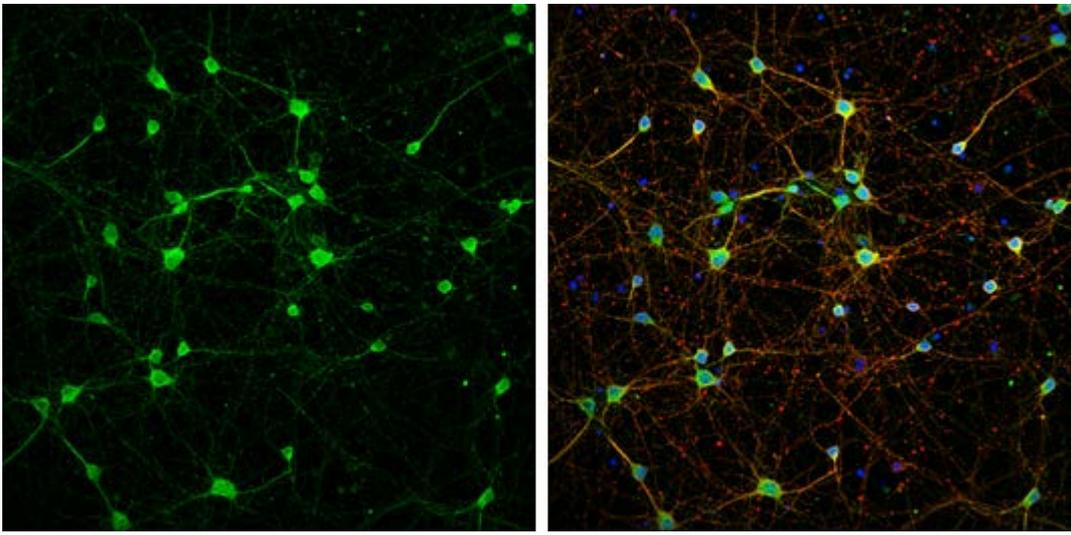
Catalog Number	GTX133097	Package:25 ul,100 ul	
Product Name	NMDAR1 antibody		
Full Name	glutamate receptor, ionotropic, NMDA1 (zeta 1)		
Synonyms	GluN1 antibody , GluRdelta1 antibody , GluRzeta1 antibody , Grin1 antibody , M100174 antibody , NMDAR1 antibody , NMDAR1 antibody , NR1 antibody , Nmdar antibody , Rgsc174 antibody , glutamate receptor, ionotropic, NMDA1 (zeta 1) antibody		
Background	NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Modulated by glycine. This protein plays a key role in synaptic plasticity, synaptogenesis, excitotoxicity, memory acquisition and learning. It mediates neuronal functions in glutamate neurotransmission. Is involved in the cell surface targeting of NMDA receptors.		
Host	Rabbit		
Clonality	Polyclonal		
Isotype	IgG		
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of mouse NMDAR1. The exact sequence is proprietary.		
Antigen Species	Mouse		
Species Reactivity	Mouse, Rat		
Predicted Cross Reactivity species	Human, Dog		
Predict Reactivity Note	Human (100%), Dog (100%)		
Applications	ICC/IF, IHC-Fr, IHC-P, WB		
		Suggested dilution	Reference
Application Note	Immunocytochemistry/ Immunofluorescence (ICC/IF)	1:100-1:1000*	
	IHC (Frozen sections)	1:100-1:1000*	
	IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*	
	Western Blot (WB)	1:500-1:3000*	
	Not tested in other applications.		
	*Optimal dilutions/concentrations should be determined by the researcher.		
Positive Controls	mouse brain , mouse fetal brain , rat brain		
Predicted Target Size	105 kDa		
Cellular Localization	Cell membrane; Multi-pass membrane protein (By similarity) , Cell junction , synapse , postsynaptic cell membrane (By similarity) , postsynaptic cell membrane , postsynaptic density (By similarity)		
Conjugation	Unconjugated		
Form Supplied	Liquid		
Purification	Purified by antigen-affinity chromatography.		
Concentration	0.68 mg/ml (Please refer to the vial label for the specific concentration)		
Storage Buffer	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.		
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.		
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.		
ResearchArea	<a href="#">Neuroscience</a> > <a href="#">Sensory</a> > <a href="#">Olfactory</a> <a href="#">Stem Cell Development</a> > <a href="#">Development</a> > <a href="#">Morphogenesis</a>		



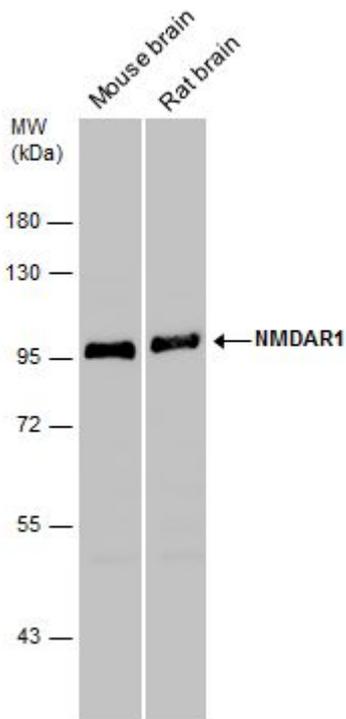
- GTX133097 IHC-Fr Image
- NMDAR1 antibody detects NMDAR1 protein expression by immunohistochemical analysis.  
Sample: Frozen sectioned adult mouse retina.  
Green: NMDAR1 protein stained by NMDAR1 antibody (GTX133097) diluted at 1:250.  
Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:250.  
Blue: Fluoroshield with DAPI (GTX30920).



- GTX133097 IHC-P Image
- NMDAR1 antibody detects NMDAR1 protein at cytoplasm in rat brain by immunohistochemical analysis.  
Sample: Paraffin-embedded rat brain.  
NMDAR1 antibody (GTX133097) diluted at 1:400.



- GTX133097 ICC/IF Image
- NMDAR1 antibody detects NMDAR1 protein at synaptic vesicles by immunofluorescent analysis.  
 Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: NMDAR1 protein stained by NMDAR1 antibody (GTX133097) diluted at 1:500.  
 Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500.  
 Blue: Fluoroshield with DAPI (GTX30920).



- GTX133097 WB Image
- Various tissue extracts (50 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with NMDAR1 antibody (GTX133097) diluted at 1:1000.