Datasheet for ABIN500332

anti-NRN1 antibody (Center)

3 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	NRN1
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NRN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Neuritin antibody was raised against a 20 amino acid peptide from near the center of human neuritin.
Isotype:	IgG
Specificity:	This antibody detects Neuritin.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	NRN1

Target Details

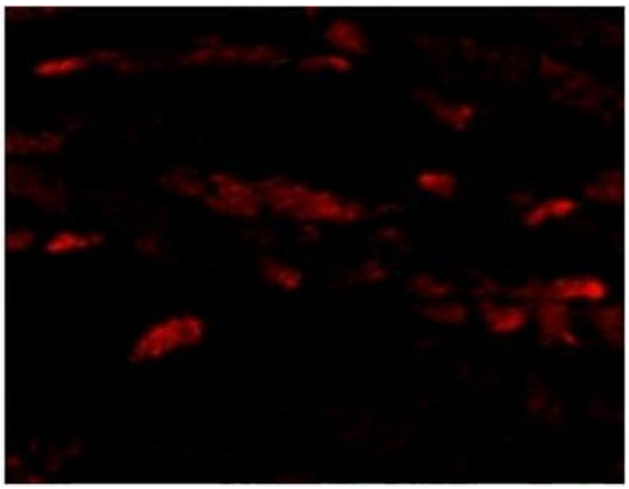
Alternative Name:	Neuritin (NRN1 Products)
Background:	As the nervous system of a complex organism develops, it establishes functional networks through the growth and retraction of synaptic connections from growing axons and dendrites. This synaptic remodeling involves neuro-transmitter signaling, activation of neurotrophin receptors and alterations in gene expression. One such gene whose expression is increased by neural activity is neuritin, a GPI-anchored protein that is expressed in postmitotic differentiating neurons of the developing nervous system. Its expression is also induced by the neurotrophins BDNF and NT-3. Purified recombinant neuritin promotes neurite outgrowth and arborization in primary embryonic neuronal cultures, suggesting that neuritin may play a role as a downstream effector of activity-induced neurite outgrowth. More recent experiments have shown that neuritin is required for the androgen-induced axonal elongation in motor neurons and is upregulated following spinal cord injury, suggesting that neuritin may also play a role in survival and axonal regeneration.Synonyms: NRN, NRN1
Gene ID:	51299
NCBI Accession:	NP_057672
UniProt:	Q9NPD7

Application Details

Application Notes:	ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

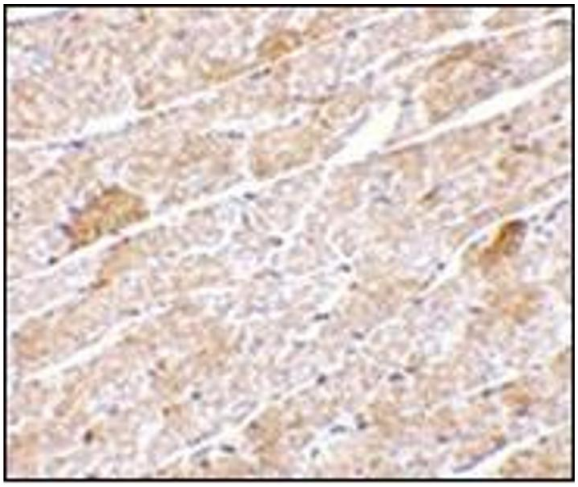
Handling

Buffer:	PBS containing 0.02 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



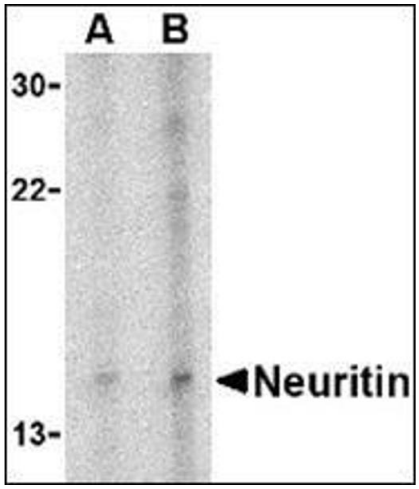
Immunofluorescence

Image 1. Immunofluorescence of Neuritin in Mouse Heart cells with Neuritin antibody at 20 µg/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of Neuritin in mouse heart tissue with this product at 5 µg/ml.



Western Blotting

Image 3. Western blot analysis of neuritin in Daudi cell lysate with this product at (A) 5 and (B) 10 µg/ml.

