Datasheet for ABIN732068

anti-NeuN antibody (AA 51-150)

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Overview

Quantity:	100 µL
Target:	NeuN (RBFOX3)
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NeuN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NeuN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	NeuN (RBFOX3)

Target Details

Alternative Name:	FOX3/NeuN (RBFOX3 Products)
Background:	Synonyms: FOX3, NEUN, FOX-3, HRNBP3, RNA binding protein fox-1 homolog 3, Fox-1 homolog C, RBFOX3 Background: Vertebrate neuron-specific nuclear protein called NeuN (Neuronal Nuclei) is an excellent marker for neurons in primary cultures and in retinoic acid-stimulated P19 cells. It is also useful for identifying neurons in transplants. NeuN is a neuron-specific, DNA-binding nuclear protein in vertebrates. In mice, NeuN is observed in most neuronal cell types throughout the nervous system, including cerebellum, cerebral cortex, hippocampus, thalamus and spinal cord, as well as the dorsal root ganglia, sympathetic chain ganglia and enteric ganglia of the peripheral nervous system. NeuN immunoreactivity is first observed in neurons when they become post-mitotic and are initiating cellular and morphological differentiation. No staining is observed in proliferative zones. NeuN has been used as an immunohistochemical marker for excitotoxic lesions of the brain as well as in the diagnosis of a wide range of human tissue specimens from the central and peripheral nervous systems.
Gene ID:	146713
UniProt:	A6NFN3

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Kopec, Rivera, Lacagnina, Hanamsagar, Bilbo: "Optimized solubilization of TRIzol-precipitated protein permits Western blotting analysis to maximize data available from brain tissue." in: **Journal of neuroscience methods**, Vol. 280, pp. 64-76, (2017) (PubMed).

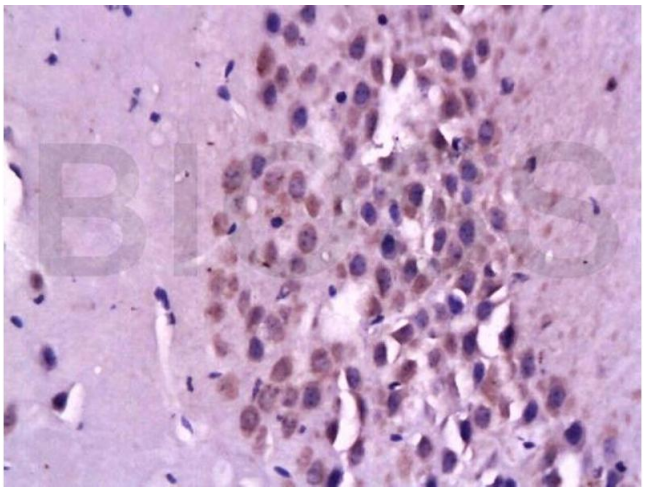
Wang, Tian, Wang, Wei, Wu, Wang, Wang, Yang, Ji, Li: "Anti-inflammatory and retinal protective effects of capsaicin on ischaemia-induced injuries through the release of endogenous somatostatin." in: **Clinical and experimental pharmacology & physiology**, Vol. 44, Issue 7, pp. 803-814, (2017) (PubMed).

Ridder, Sevko, Heide, Dams, Rupp, Macas, Starmann, Tjwa, Plate, Sültmann, Altevogt, Umansky, Momma: "Extracellular vesicle-mediated transfer of functional RNA in the tumor microenvironment." in: **Oncoimmunology**, Vol. 4, Issue 6, pp. e1008371, (2015) (PubMed).

Fontes, Ramsey, Polk, Koop, Denisova, Belousov: "Death of Neurons following Injury Requires Conductive Neuronal Gap Junction Channels but Not a Specific Connexin." in: **PLoS ONE**, Vol. 10, Issue 5, pp. e0125395, (2015) (PubMed).

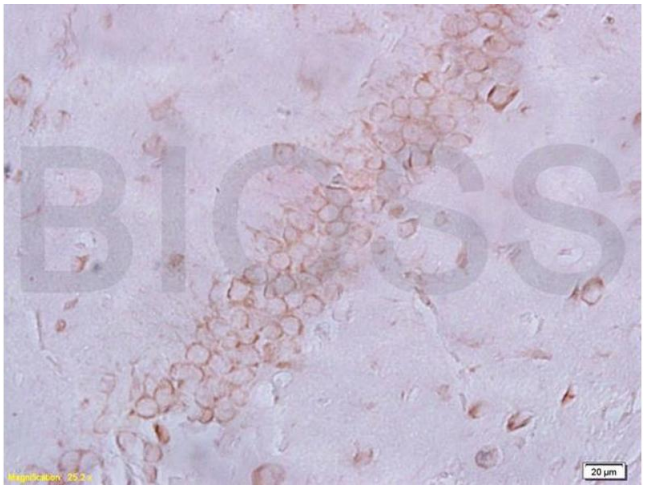
Hu, Lin, Zhu, Li, Chen: "Anti-inflammatory effects of Gualou Guizhi decoction in transient focal cerebral ischemic brains. [Corrected]." in: **Molecular medicine reports**, Vol. 12, Issue 3, pp. 3998 , (2015) (PubMed).

There are more publications referencing this product on: Product page



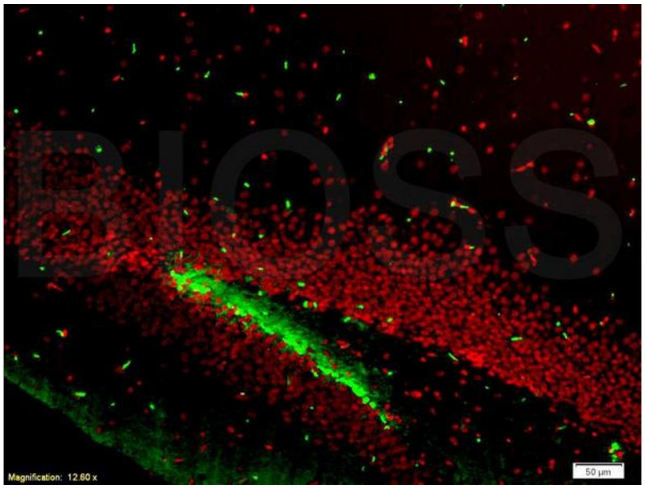
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-NeuN Polyclonal Antibody, Cy3 Conjugated (ABIN732068) at 1:200



Immunohistochemistry

Image 2. Frozen section rat brain labeled with Anti-NeuN Polyclonal Antibody, Unconjugated (ABIN732068) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin embedded mouse brain labeled with Anti-NeuN Polyclonal Antibody, Unconjugated (ABIN732068) at 1:200 followed by conjugation to the secondary antibody and DAB staining

