

Datasheet for ABIN5539690
anti-BDNF antibody (Internal Region)

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BDNF
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Purpose:	BDNF
Sequence:	ETKCNPMGYT KE
Isotype:	IgG
Specificity:	This antibody is expected to recognise all reported isoforms (NP_001700.2, NP_001700.2, NP_733928.1, NP_733929.1, NP_733930.1, NP_733931.1)
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

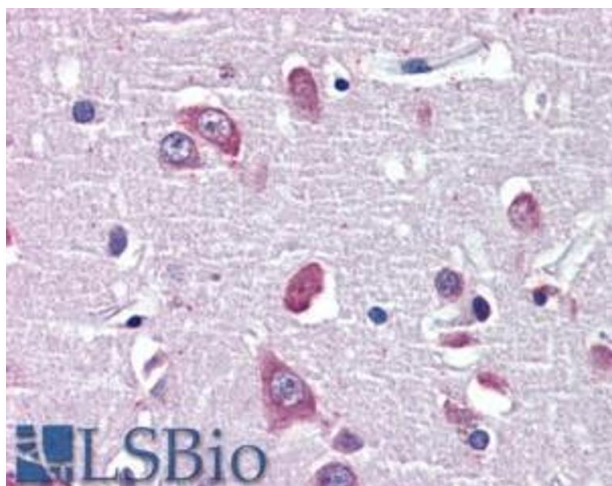
Target:	BDNF
Alternative Name:	BDNF (BDNF Products)
Background:	BDNF , brain-derived neurotrophic factor, MGC34632, neurotrophin
Gene ID:	627
NCBI Accession:	NP_001700 , NP_733928 , NP_733929 , NP_733930 , NP_733931
Pathways:	RTK Signaling , Synaptic Membrane , Feeding Behaviour , Dicarboxylic Acid Transport , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Peptide ELISA: antibody detection limit dilution 1:2000.
Comment:	Immunofluorescence: Expression of the protein seen in the nucleus and cytoplasm of Glioblastoma U251 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

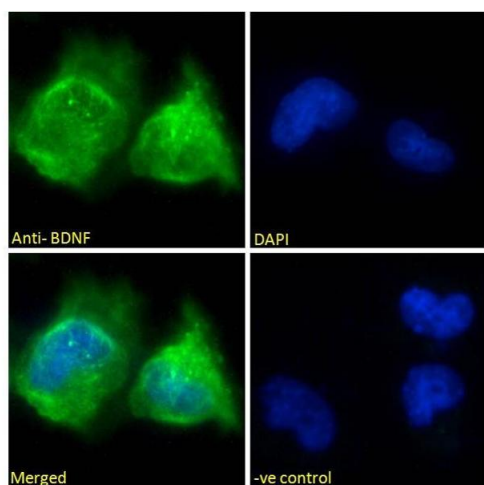
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



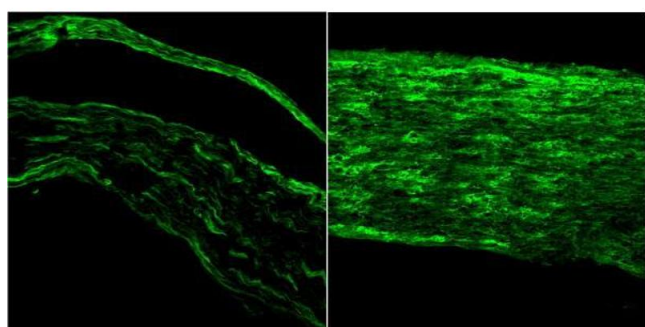
Immunohistochemistry

Image 1. ABIN5539690 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. This data is from a previous batch, not on sale.



Immunofluorescence

Image 2. ABIN5539690 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing speckled nuclear and cytoplasmic staining. The nuc



Immunofluorescence

Image 3. ABIN5539690 (1µg/ml) staining of PFA-perfused cryosection of Mouse sciatic nerve (left) and injured sciatic nerve (right). Alexa 488-staining. Data obtained from Simon Glerup, Department of Biomedicine, Aarhus University, Denmark. This data is from a previous batch, not on sale.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5539690.