

## Anti-BDNF antibody (Internal) (STJ73299)

STJ73299

### GENERAL INFORMATION

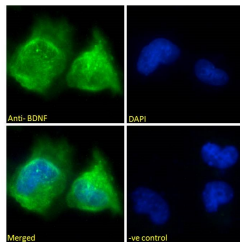
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Goat polyclonal antibody anti-BDNF (Internal) is suitable for use in ELISA and Western Blot research applications.
<b>Applications</b>	Pep-ELISA, WB
<b>Host/Source</b>	Goat
<b>Reactivity</b>	Human, Mouse, Rat, Dog

### PRODUCT PROPERTIES

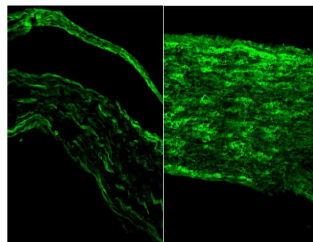
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	0.5 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Dilution Range</b>	IF-Expression of the protein seen in the nucleus and cytoplasm of Glioblastoma U251 cells. 10µg/ml ELISA-antibody detection limit dilution 1:2000.
<b>Formulation</b>	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. NA
<b>Isotype</b>	IgG
<b>Storage</b>	Store at -20 on receipt and minimise freeze-thaw cycles.
<b>Instruction</b>	

### TARGET INFORMATION

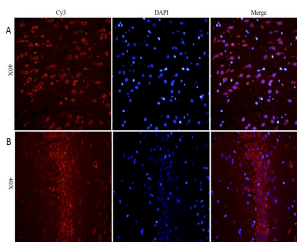
<b>Gene ID</b>	627
<b>Gene Symbol</b>	BDNF
<b>Uniprot ID</b>	BDNF_HUMAN
<b>Immunogen</b>	
<b>Immunogen Region</b>	Internal
<b>Specificity</b>	This antibody is expected to recognise all reported isoforms (NP_001700.2; NP_001700.2; NP_733928.1; NP_733929.1; NP_733930.1; NP_733931.1)
<b>Immunogen Sequence</b>	ETKCNPMGYTKE



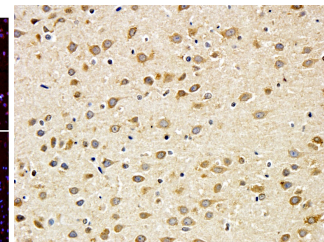
STJ73299 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml), showing speckled nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). NA NA Negative control: Unimmunized goat IgG (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml).



STJ73299 (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.



STJ73299 (5µg/ml) staining of paraffin embedded Rat Cerebral Cortex (A) and Rat Hippocampus (B), CRY-staining with DAPI nuclear counter stain in blue. Antigen retrieval with citrate buffer pH 6 at 95-98C. This data is from a previous batch, not on sale.



STJ73299 (5µg/ml) staining of paraffin embedded Rat Cerebral Cortex (A) and Rat Hippocampus (B), DAB-staining. This data is from a previous batch, not on sale.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.

St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081