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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08117 - Goat Anti-BDNF Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: BDNF, brain-derived neurotrophic factor, MGC34632, neurotrophin

Official Symbol: BDNF

Accession Number(s): NP_001700.2; NP_001700.2; NP_733928.1; NP_733929.1;
NP_733930.1; NP_733931.1

Human GeneID(s): [627](#)

Important Comments: 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)

Immunogen

Peptide with sequence ETKCNPMGYTKE, from the internal region of the protein
sequence according to NP_001700.2; NP_001700.2; NP_733928.1; NP_733929.1;
NP_733930.1; NP_733931.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity
chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum
albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

IHC: Paraffin embedded Rat Cerebral Cortex. Recommended concentration: 5µg/ml.

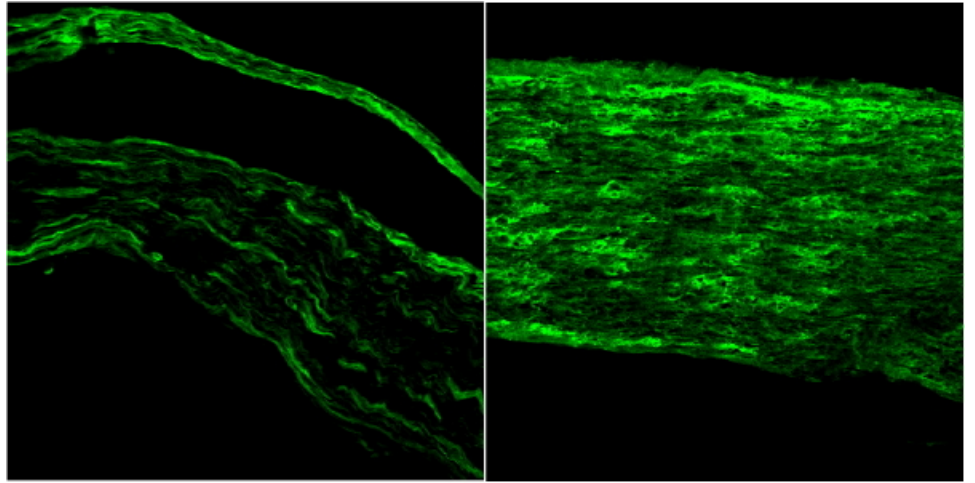
Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.

Immunocytochemistry: Frozen sections of Mouse sciatic nerve shows intensified staining
after injury, consistent with the literature (Tonra et al, J Neurosci. 1998 Jun
1;18(11):4374-83. PMID: 9592114). Recommended concentration, 1-3µg/ml. Based on
the mouse data, this antibody is endorsed by pAbmAbs
(<http://pabmabs.com/wordpress/?p=1596>). In paraffin embedded Rat Cerebral Cortex and
Rat Hippocampus show cytoplasm staining in neurons. Recommended concentration:
3-5ug/ml.

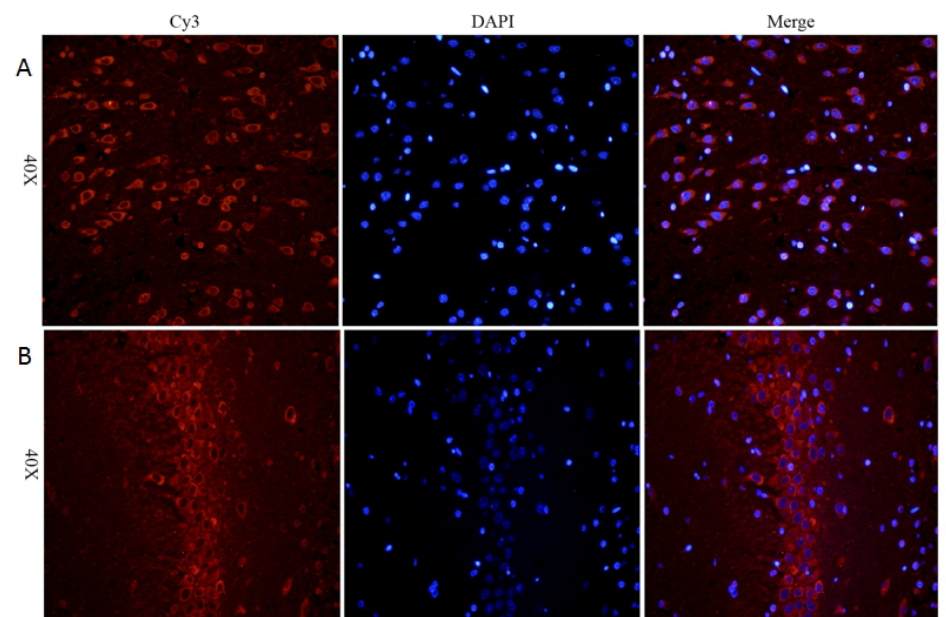
Species Reactivity

Tested: Human, Mouse, Rat

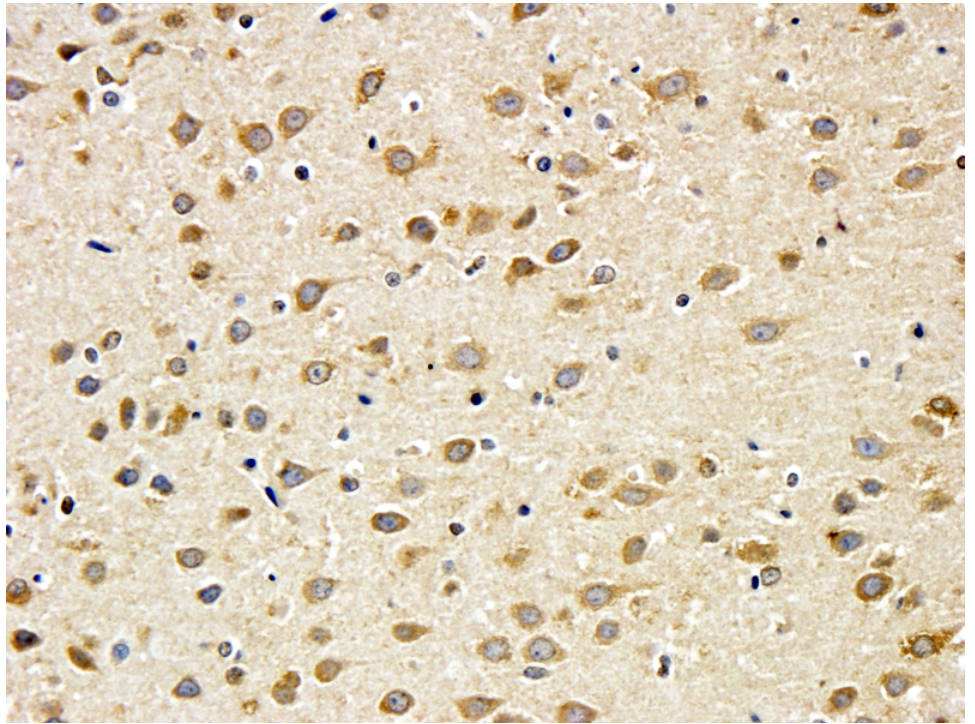
Expected from sequence similarity: Human, Mouse, Rat, Dog



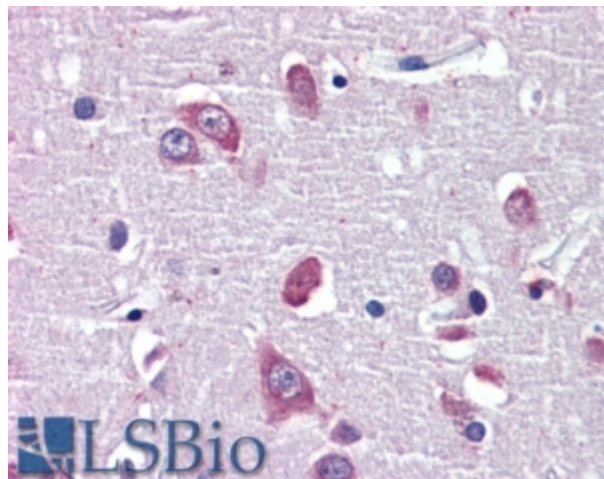
EB08117 (1µg/ml) staining of PFA-perfused cryosection of Mouse sciatic nerve (left) and injured sciatic nerve (right). Alexa 488-staining. Data obtained from Simon Glerup, Department of Biomedicine Aarhus University, Denmark.



EB08117 (5ug/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.



EB08117 (5ug/ml) staining of paraffin embedded Rat Cerebral Cortex. Antigen retrieval with citrate buffer pH 6 at 95-98C, DAB-staining.



EB08117 (3.75 μ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.