

## Goat anti-BDNF Antibody

<b>Item Number</b>	dAP-2120
<b>Target Molecule</b>	Principle Name: BDNF; Official Symbol: BDNF ; All Names and Symbols: BDNF ; brain-derived neurotrophic factor; MGC34632; neurotrophin; Accession Number (s): NP_001700.2; NP_001700.2; NP_733928.1; NP_733929.1; NP_733930.1; NP_733931.1; Human Gene ID(s): 627; Non-Human GeneID (s):
<b>Immunogen</b>	ETKCNPMGYTKE, is from internal region 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>Applications</b>	Pep ELISA, IHC, IF  Species Tested: Human, Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Cortex shows cytoplasm staining of neuronal cells. Recommended concentration, 3-5µg/ml. Frozen sections of Mouse sciatic nerve shows intensified staining after injury, consistent with the literature
<b>Reference</b>	Reference(s): Yoshii A, Constantine-Paton M. BDNF induces transport of PSD-95 to dendrites through PI3K-AKT signaling after NMDA receptor activation. Nat Neurosci. 2007 Jun;10(6):702-711. Epub 2007 May 21..PMID: 17515902 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**