

## BDNF Rabbit monoclonal antibody

Catalog: BS9896M

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). These various neurotrophins stimulate the in vitro survival of distinct, but partially overlapping, populations of neurons. The cell surface receptors through which neurotrophins mediate their activity have been identified. For instance, the Trk A receptor is the preferential receptor for NGF, but also binds NT-3 and NT-4. The Trk B receptor binds both BDNF and NT-4 equally well, and binds NT-3 to a lesser extent, while the Trk C receptor only binds NT-3.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 27 kDa

### Swiss-Prot:

P23560

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000-1:2000

IHC/ICC.IF: 1:50-1:200

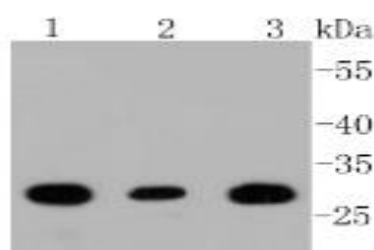
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of BDNF and does not cross-react with related proteins.

### DATA:

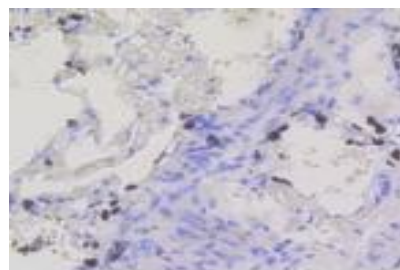


Western blot (WB) analysis of BDNF Rabbit mAb at 1:1000 dilution

Lane1:SHG-44 whole cell lysate

Lane2:A172 whole cell lysate

Lane3:The brain tissue lysate of Mouse



Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-BDNF antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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