

Anti-BDNF Antibody (4E523)

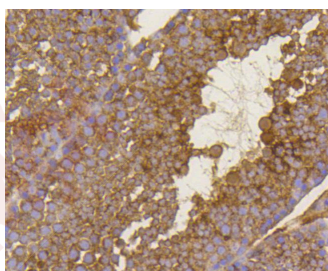
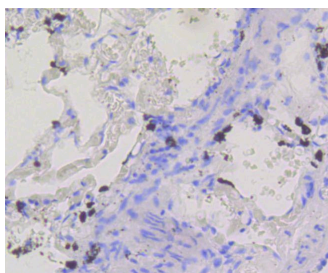
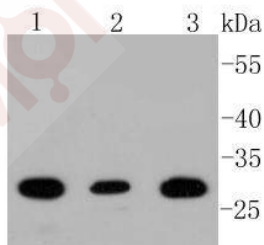
Product Details

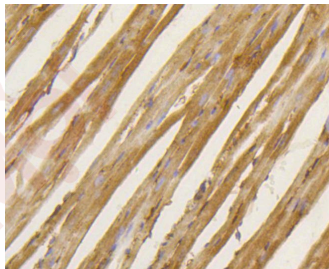
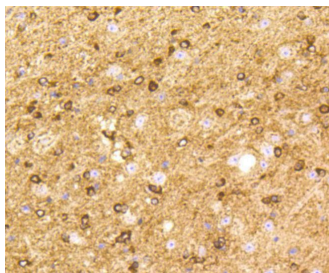
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,zebrafish
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 28 kDa.
Clone:	4E523
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of BDNF on different lysates using anti-BDNF antibody at 1/1,000 dilution. Positive control: Lane 1: SHG-44, Lane 2: A172, Lane 3: Mouse brain.
2. Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-BDNF antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-BDNF antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-BDNF antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-BDNF antibody. Counter stained with hematoxylin.





Application: ICC/IF,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P23560

Synonyms: BDNF;Brain-Derived Neurotrophic Factor;Abrineurin

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
