Product Datasheet

BDNF Antibody

Catalog No: #48503

Package Size: #48503-1 50ul #48503-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

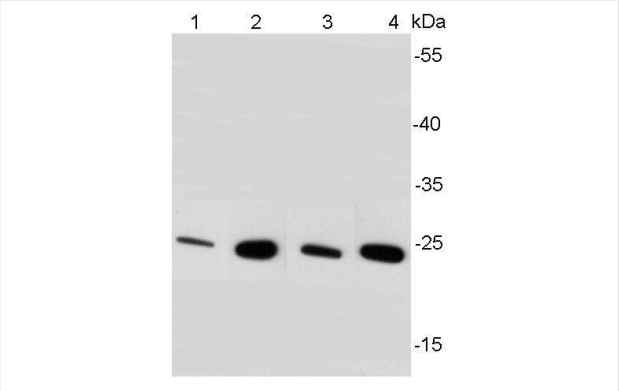
Description

Product Name	BDNF Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to the N-terminal of human BNDF
Other Names	Abrineurin antibody ANON2 antibody BDNF antibody BDNF_HUMAN antibody Brain Derived Neurotrophic Factor antibody Brain-derived neurotrophic factor antibody BULN2 antibody MGC34632 antibody Neurotrophin antibody
Accession No.	Swiss-Prot#:P23560
Uniprot	P23560
GeneID	627;
Calculated MW	28kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

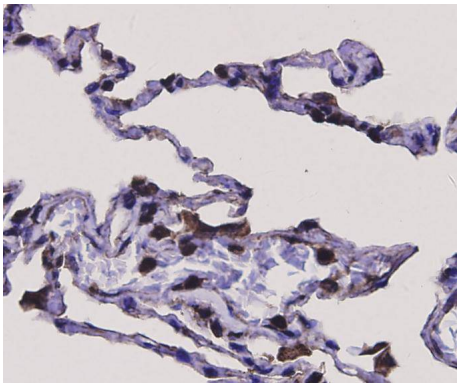
Application Details

WB: 1:500 IHC: 1:200ICC: 1:200

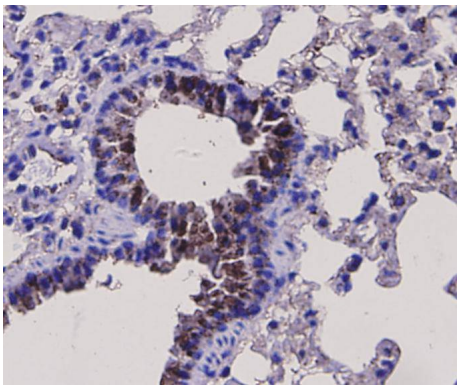
Images



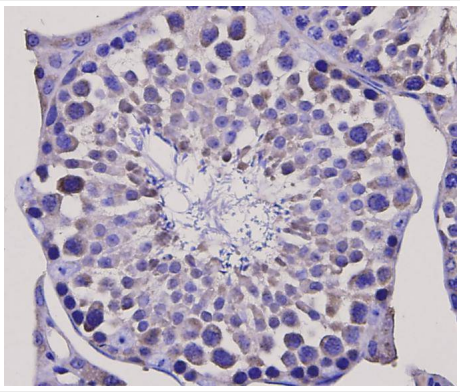
Western blot analysis of BDNF on different cell lysates using anti-BDNF antibody at 1/500 dilution. Positive control: Lane 1: A172 Lane 2: SHG-44 Lane3: Mouse heart Lane 4: Mouse brain



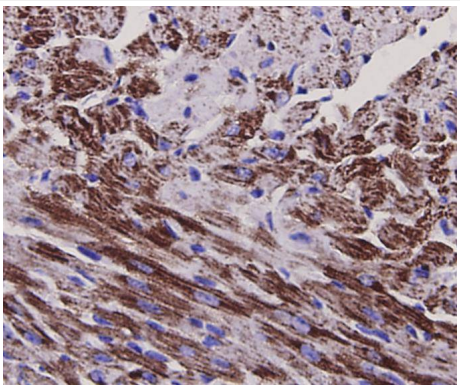
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-BDNF antibody. Counter stained with hematoxylin.



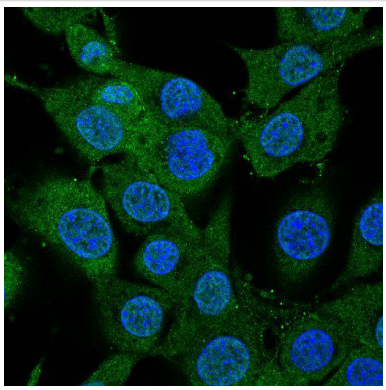
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-BDNF antibody. Counter stained with hematoxylin.



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



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



ICC staining of BNDF in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Brain-derived neurotrophic factor, also known as BDNF, is a member of the "neurotrophin" family of growth factors, which are related to the canonical "Nerve Growth Factor", NGF. BDNF acts on certain neurons of the central nervous system and the peripheral nervous system, helping to support the survival of existing neurons, and encourage the growth and differentiation of new neurons and synapses. BDNF is actually found in a range of tissue and cell types, not just in the brain. It is also expressed in the retina, the central nervous system, motor neurons, the kidneys, and the prostate. Various studies have shown possible links between BDNF and conditions such as depression, bipolar disorder,schizophrenia, obsessive-compulsive disorder, Alzheimer's disease, Huntington's disease, Rett syndrome, and dementia, as well as anorexia nervosa and bulimia nervosa.

References

Note: This product is for in vitro research use only