

Anti-BDNF Rabbit Monoclonal Antibody

Catalog Number: M00035-2

About BDNF

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3). PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-BDNF Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BDNF Rabbit Monoclonal Antibody catalog # M00035-2. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal 17B21
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P23560

Technical Details

Immunogen	A synthesized peptide derived from human BDNF
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

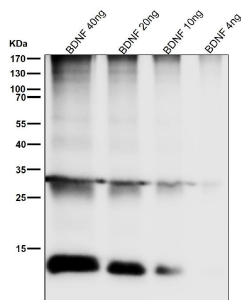
Boster Bio's internal QC testing used:

WB 1:1000-1:2000

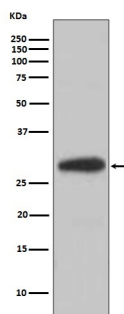
IHC 1:50-1:200

ICC/IF 1:50-1:200

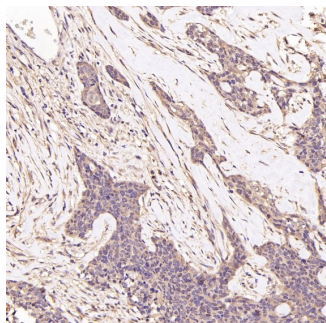
Anti-BDNF Rabbit Monoclonal Antibody (M00035-2) Images



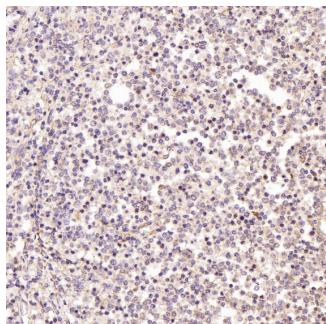
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Western blot analysis of extracts of Mouse heart lysate, using BDNF antibody

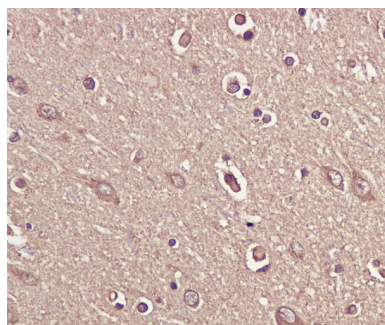
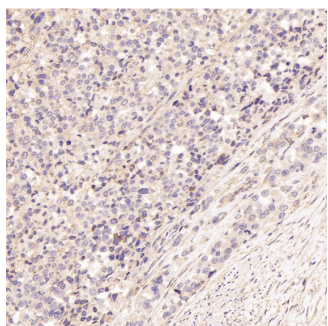


Immunohistochemical analysis of paraffin-embedded Human breast cancer, using the Antibody at 1:1500 dilution.

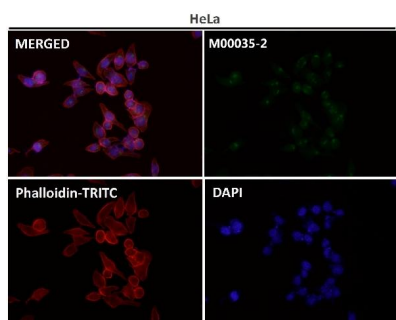


Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:1500 dilution.

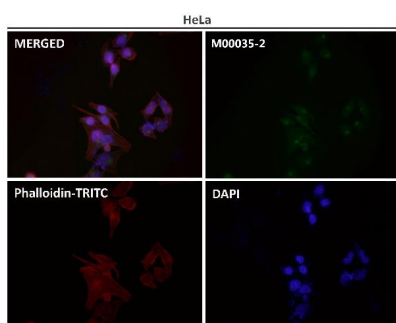
Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:1500 dilution.



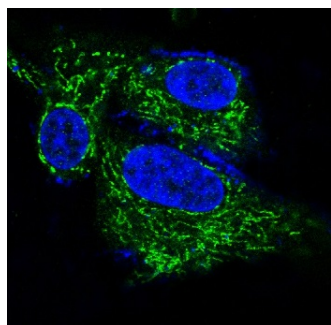
Immunohistochemical analysis of paraffin-embedded human brain, using BDNF Antibody.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.



Immunofluorescent analysis of HeLa cells, using BDNF Antibody.

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