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antibody and ELISA experts

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Anti-BDNF Rabbit Monoclonal Antibody

Catalog Number: M00035-1

Overview

Product Name	Anti-BDNF Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BDNF Rabbit Monoclonal Antibody catalog # M00035-1. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal BEH-2
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200

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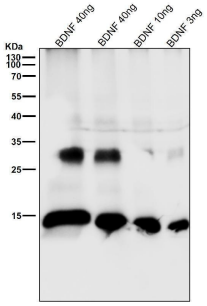
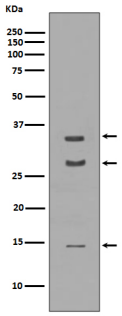
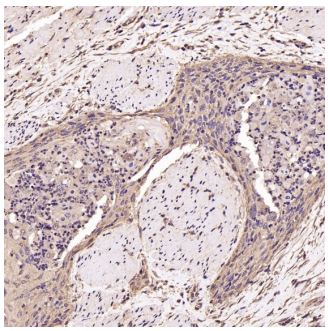
Anti-BDNF Rabbit Monoclonal Antibody (M00035-1) Images



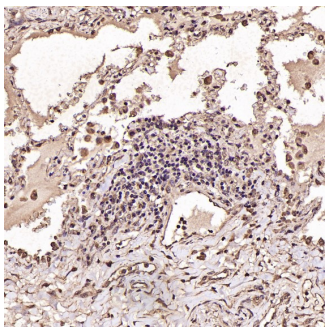
All lanes use the Antibody at 1:5k dilution for 1 hour at room temperature.



Western blot analysis of extracts of Human cerebellum lysate, using BDNF antibody.



Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma, using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded Human lung, using the Antibody at 1:50 dilution.

Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:50 dilution.

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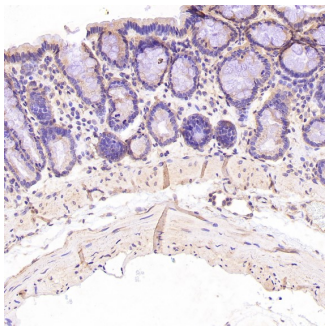
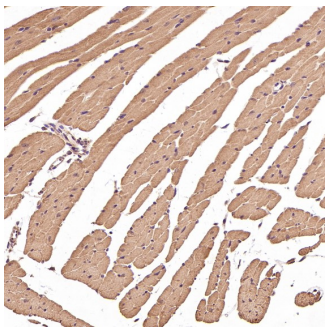
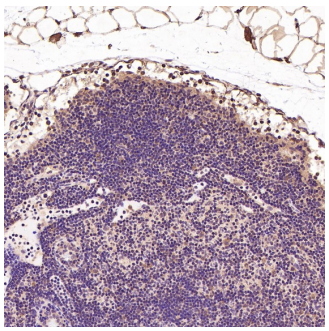
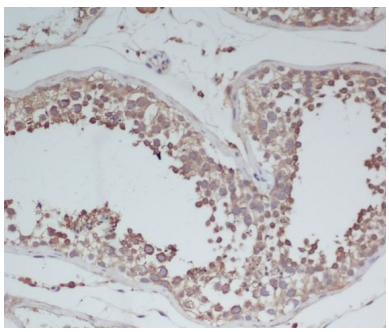




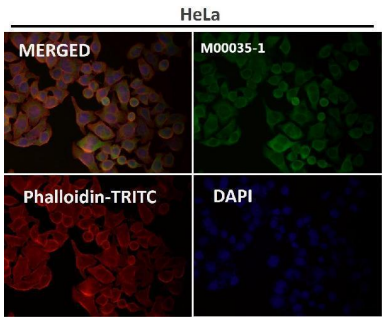
Immunohistochemical analysis of paraffin-embedded Mouse heart, using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded Rat pancreas, using the Antibody at 1:50 dilution.



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



Immunofluorescent analysis using the Antibody at 1:500 dilution.

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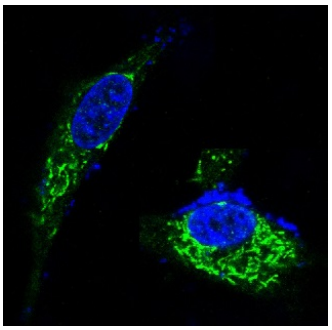
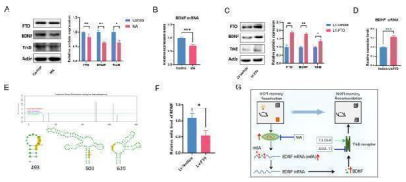
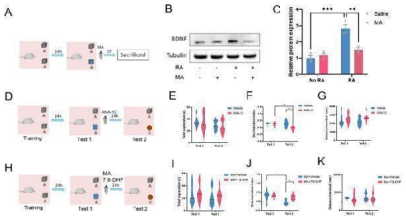


Immunofluorescent analysis of HeLa cells, using BDNF Antibody.



The m6A-dependent mechanism of FTO in regulating the BDNF-TrkB pathway. A Western blotting shows the relative protein expression levels of FTO, BDNF, and TrkB in Control and MA treated HT22 cells (n = 3); ** P



FTO mediated the BDNF-TrkB pathway in NOR memory reconsolidation. A Schematic of the experimental design for NOR memory RA and sampling. B Representative BDNF blots of each group. C Quantitative analysis of BDNF expression in WB. N = 3. *** P = 0.0004, ** P = 0.0036. D Schematic of the experimental design for the effects of ANA-12, a TrkB antagonist, administered immediately after RA on NOR memory performance. E Total exploration times in Test 1 and Test 2. F DI of each group in Test 1 and Test 2. ** P = 0.0013, *** P = 0.0006. G Distance of travelled during the tests. H Schematic of the experimental design for the effects of 7,8-dihydroxyflavone (7,8-DHF), a TrkB agonist, on MA mediated disruption of NOR memory reconsolidation. I Total exploration times in Test 1 and Test 2. J DI of each group in Test 1 and Test 2. * P = 0.0287, DI of vehicle + MA group between Test 1 and Test 2; * P = 0.0216, DI between vehicle + MA group and vehicle + 7,8-DHF group in Test 2. K Distance of travelled during the tests. Index in PubMed under a CC BY license. PMID: 37963912

12 Publications Citing This Product

1. PubMed ID: 34058286, Xue LL,Du RL,Hu Y,Xiong LL,Su ZY,Ma Z,Tan YX,Liu J,Hu Q,Zhu ZQ,Wang TH,Liu XZ.BDNF promotes neuronal survival after neonatal hypoxic-ischemic encephalopathy by up-regulating Stx1b and suppressing VDAC1.Brain Res Bull.2021 May 28:S0361-9230(21)00144-1.doi:10.1016/j.brainresbull.2021.05.013.Epub ahead of print.PMID:34058286.

2. PubMed ID: 23844266, Brain-derived neurotrophic factor is up-regulated in severe acute cauda equina syndrome dog model

3. PubMed ID: 29050222, Beneficial effect of fluoxetine treatment aganist psychological stress is mediated by increasing BDNF expression in selected brain areas

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For Research Use Only. Not for use in diagnostic procedures.