

Product datasheet for **TA323908**

BDNF Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse skin tissue IHC: 10-50 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 19-247 amino acids of human brain-derived neurotrophic factor
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	brain-derived neurotrophic factor
Database Link:	NP_001137277 Entrez Gene 12064 Mouse Entrez Gene 24225 Rat Entrez Gene 627 Human P23560



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Background: The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons; and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene.?

Synonyms: ANON2; BULN2

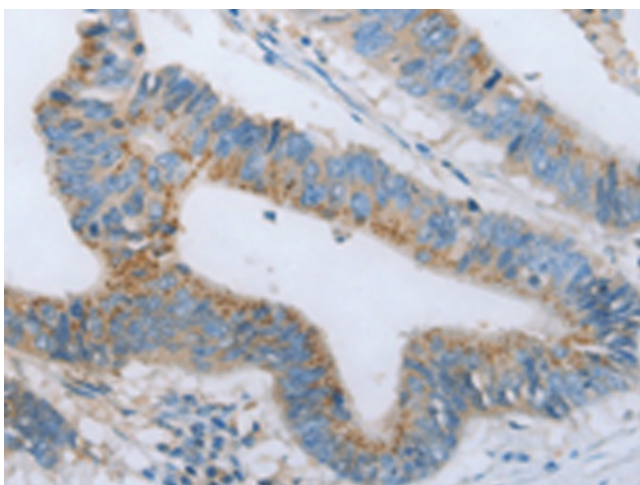
Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Transmembrane

Protein Pathways: Huntington's disease, MAPK signaling pathway, Neurotrophin signaling pathway

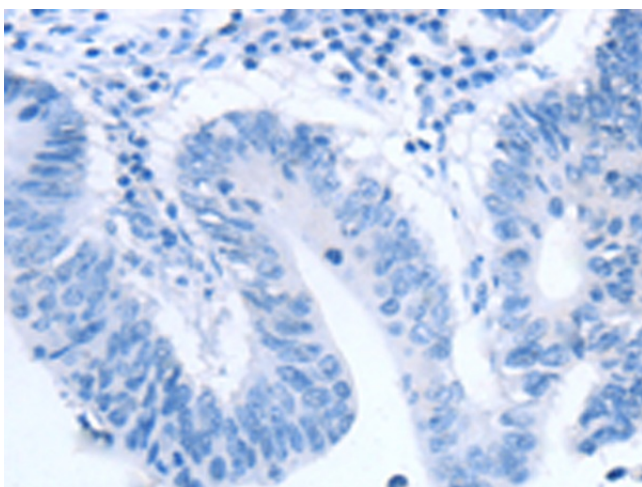
Product images:



Gel: 10%SDS-PAGE
Lysate: 40 μ g
Lane: Mouse skin tissue
Primary antibody: TA323908 (BDNF Antibody) at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 2 minutes



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA323908 (BDNF Antibody) at dilution 1/20 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA323908 (BDNF Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)