CDNF Polyclonal Antibody

Catalog Number:D-AB-10383L

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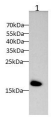
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Rat
Immunogen	Recombinant Human CDNF protein expressed by Mammalian
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide,50% glycerol pH 7.4

Applications	Recommended Dilution
WB	1:500-1:1000

Data



Western blot with CDNF Polyclonal antibody at dilution of 1:1000.lane 1:Rat skeletal muscle

Observed Mw:17kDa

Calculated Mw:21kDa

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

Cerebral Dopamine Neurotrophic Factor (CDNF),also known as ARMETL1 (ARMET-like protein 1),is a secreted protein with eight conserved cysteine residues,predicting a unique protein fold and defining a new,evolutionarily conserved protein family. CDNF is a novel neurotrophic factor with strong trophic activity on dopaminergic neurons comparable to that of glial cell line-derived neurotrophic factor (GDNF). CDNF/ARMETL1 is a evolutionary conserved protein which can protect and restore the function of dopaminergic neurons in the rat model of Parkinson's disease,suggesting that CDNF might be beneficial for the treatment of Parkinson's disease. CDNF is widely expressed in neurons in several brain regions including cerebral cortex,hippocampus,substantia nigra,striatum and cerebellum. Human CDNF is glycosylated and secreted from transiently transfected cells. CDNF promotes the survival,growth,and function of dopamine-specific neurons and is expressed in brain regions that undergo cocaine-induced neuroplasticity.

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