

CDNF Polyclonal Antibody

catalog number: D-AB-10383L

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
Buffer	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

WB	1:500-1:1000
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Data



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

Observed-MW:17 kDa

Calculated-MW:21 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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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