

For Research Use Only

# CDNF Polyclonal antibody

Catalog Number: 32802-1-AP



## Basic Information

**Catalog Number:**

32802-1-AP

**Size:**

150ul, Concentration: 750 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG2845

**GenBank Accession Number:**

NM\_177647.4

**GeneID (NCBI):**

227526

**UNIPROT ID:**

Q8CC36

**Full Name:**

arginine-rich, mutated in early stage tumors-like 1

**Calculated MW:**

21 kDa

**Observed MW:**

18-21 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB: 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

mouse

**Positive Controls:**

WB : mouse heart tissue, mouse skeletal muscle tissue

## Background Information

Cerebral dopamine neurotrophic factor (CDNF) is a secreted protein belonging to the mesencephalic astrocyte-derived neurotrophic factor (MANF) family. Unlike classical neurotrophic factors, CDNF is primarily localized in the endoplasmic reticulum and exerts neuroprotective effects through modulating the unfolded protein response (UPR). CDNF has demonstrated potent protective effects on dopaminergic neurons in preclinical models of Parkinson's disease (PD), reducing neuroinflammation and alpha-synuclein aggregation. Its unique mechanism-targeting ER stress rather than receptor tyrosine kinases-offers a promising therapeutic avenue for neurodegenerative disorders. Clinical trials are currently evaluating recombinant human CDNF as a disease-modifying therapy for PD (PMID: 34284712; 37555005; 38290651).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

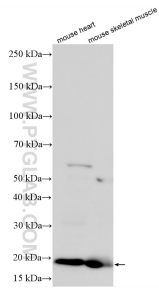
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32802-1-AP (CDNF antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.