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Datasheet for ABIN956414 anti-CDNF antibody

3 Images



## Overview

Quantity:	100 µg
Target:	CDNF
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDNF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	Recombinant human CDNF protein produced usingCHO-based Icosagen Cell factory Ltd.
	proprietary suspension cell line. Purifiedfrom cell culture supernatant.
Isotype:	IgG

Purification:	CDNF-affinity purified

Human, CDNF protein

## Target Details

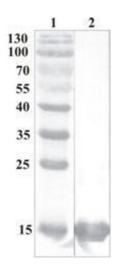
Specificity:

Target:	CDNF
Alternative Name:	CDNF (CDNF Products)
Background:	CDNF is a trophic factor for midbrain dopamine neuronsin vivo. It prevents the 6-OHDA-
	(Lindholmet al. 20007, Voutilainen et al., 2011) and MPTP-induced degeneration(Airavaara et al., 2012) of dopamine neurons in rodent models of Parkinson'sdisease. When administered after

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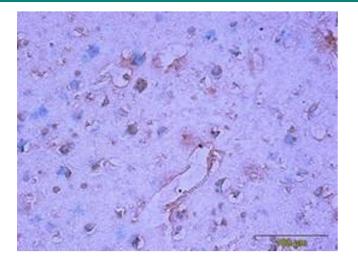
Target Details	
	6-OHDA or MPTP –lesioning it restores thedopaminergic function and prevents degeneration of
	dopamine neurons insubstantia nigra pars compacta
UniProt:	Q49AH0
Application Details	
Application Notes:	Westernimmunoblotting, recommended dilution 1:6 000 to 1:10 000, ELISA: 1:125 000
Comment:	Synonym: ARMETL1
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/ml
Buffer:	Concentrated ammonium sulphide in PBS pH 7.4
Handling Advice:	As product is (NH4)2SO4 precipitate, mix well by pipetting or vortexing prior use.
Storage:	4 °C
Storage Comment:	This product is shipped in non-frozen liquid form in ambient conditions

## Validation report #103250 for Immunofluorescence (IF)



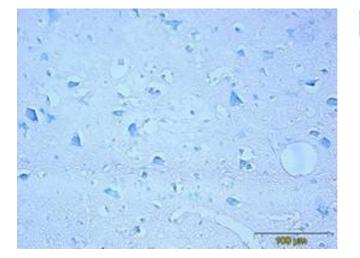
## Western Blotting

**Image 1.** Western Blot testing of anti-CDNF monoclonal antibody (7D6). Line 1. PageRuler Prestained Protein Ladder (#SM0671 Fermentas), Line 2. Recombinant CDNF expressed into the supernatant of CHO cell culture medium.



### Immunocytochemistry

**Image 2.** Figure 2. Immunohistochemistry testing of anti-CDNF rabbit polyclonal antibody. Analysis was performed using formalin-fixed paraffin-embedded human cerebral cortex tissue sections from Alzheimer's disease patients. Tissue sections were boiled with sodium citrate buffer (pH 6) for antigen retrieval. Incubation with primary antibody at 5 µg/ml was performed overnight at 4°C. DAKO EnVisionTM Detection System, Peroxidase/DAB was used for visualization. Sections were counterstained with toluidine blue and mounted with Eukitt mounting medium. A. CDNF staining by rabbit polyclonal anti-CDNF antibody; B. Negative staining without primary antibodyAB



#### Immunofluorescence

**Image 3.** Figure 3. Immunofluorescence detection of human CDNF expressed in U2OS cells. CDNF was visualized using anti-CDNF rabbit polyclonal antibody, dilution 1:3000. Goat ant-rabbit AlexaFluor488 was used as secondary antibody. For nuclear staining DAPI was used. ArrayScan VTI platform (Thermo Scientific) was used for image acquisition (10x objective). Composite picture was generated using pseudocolors green for CDNF specific signal and blue for nuclei. A. CDNF-expressing U2OS cells; B. Negative control (non-transfected U2OS cells)

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