

Datasheet for ABIN956415

anti-CDNF antibody[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	CDNF
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDNF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant human CDNF protein produced using CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line. Purified from cell culture supernatant
Clone:	7D6
Isotype:	IgG1
Specificity:	Human, CDNF protein
Purification:	purified by protein G affinity chromatography

Target Details

Target:	CDNF
Alternative Name:	CDNF (CDNF Products)
Background:	CDNF is a trophic factor for midbrain dopamine neurons in vivo. It prevents the 6-OHDA-

Target Details

(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 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: ELISA: 1:64 000, WB: 1:4000. Monoclonal antibody working titer has to be established practically for each particular antigen and assay format

Comment: Synonym: ARMETL1

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/ml

Buffer: PBS pH 7.4, with 0.1%

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

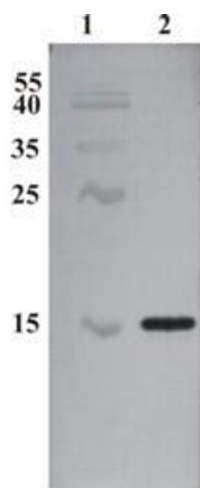
Handling Advice: Divide antibodyinto aliquots prior usage. Avoid multiple freeze-thaw cycles as productdegradation may result.

Storage: -20 °C

Storage Comment: This product is shipped in non-frozen liquid form in ambient conditions

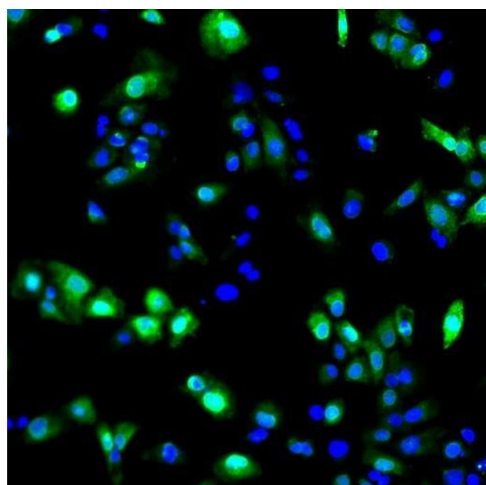
Publications

Product cited in: Galli, Lindholm, Kontturi, Saarma, Urtti, Yliperttula: "Characterization of CDNF-Secreting ARPE-19 Cell Clones for Encapsulated Cell Therapy." in: **Cell transplantation**, Vol. 28, Issue 4, pp. 413-424, (2020) ([PubMed](#)).



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



Immunofluorescence

Image 2. Figure 2. Immunofluorescence detection of human CDNF expressed in U2OS cells. CDNF was visualized using anti-CDNF antibody clone 7D6 at 1 µg/ml. Goat anti-mouse 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