



Datasheet for ABIN7043031
anti-CDNF antibody (Mature)



[Go to Product page](#)

3 Images

Overview

Quantity:	25 µL
Target:	CDNF
Binding Specificity:	AA 129-141, Mature
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EKTLDLASVDLRK, corresponding to amino acid residues 129-141 of human CDFN
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for rat samples.
Characteristics:	Anti-CDNF Antibody is directed against an epitope of human CDFN. Anti-CDNF Antibody (ABIN7043031, ABIN7044785 and ABIN7044786)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize CDFN from mouse and human samples. The antibody will not recognize CDFN from rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

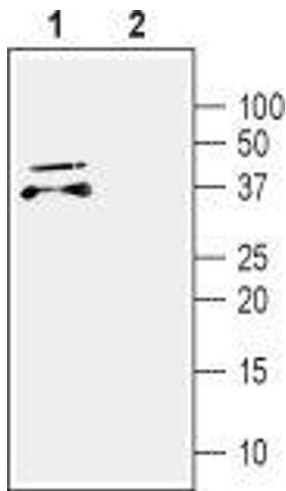
Target:	CDNF
Alternative Name:	CDNF (CDNF Products)
Background:	Alternative names: CDNF, Cerebral dopamine neurotrophic factor, Arginine-rich mutated in early stage tumors-like 1, ARMET-like protein 1, ARMETL1
Gene ID:	441549
NCBI Accession:	NM_001029954
UniProt:	Q49AH0

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

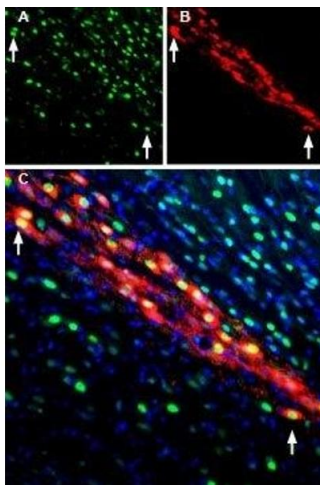
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



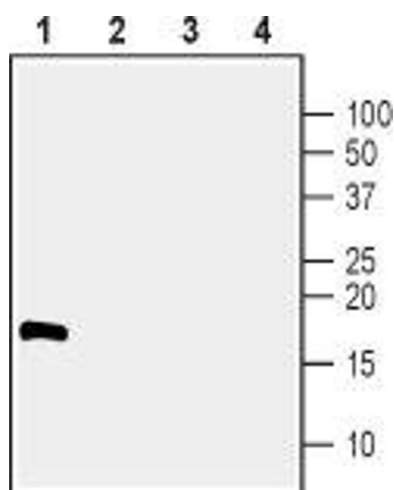
Western Blotting

Image 1. Western blot analysis of mouse brain lysate: - 1. Anti-CDNF Antibody (ABIN7043031, ABIN7044785 and ABIN7044786), (1:200). 2. Anti-CDNF Antibody, preincubated with CDNF Blocking Peptide (#BLP-NT027).



Immunohistochemistry

Image 2. Expression of CDNF in mouse brain - Immunohistochemical staining of immersion-fixed, free floating mouse brain frozen sections using rabbit Anti-CDNF Antibody (ABIN7043031, ABIN7044785 and ABIN7044786), (1:300). A. CDNF staining (green) is detected in several cells in the vicinity of the substantia nigra pars compacta. B. Tyrosine hydroxylase staining (red) appears in the substantia nigra. C. Merge of the two images demonstrates dopaminergic (TH-positive) neurons also expressing CDNF (arrows). Cell nuclei are stained with DAPI (blue).



Western Blotting

Image 3. Western blot analysis of 100 ng human recombinant CDNF (lanes 1 and 3) and 100 ng human recombinant MANF (lanes 2 and 4): - 1,2. Anti-CDNF Antibody (ABIN7043031, ABIN7044785 and ABIN7044786) (1:500). 3,4. Anti-CDNF Antibody, preincubated with CDNF Blocking Peptide (#BLP-NT027). Note that the antibody recognizes CDNF but fails to recognize closely related MANF.