

**NDNF Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5812a****Specification**

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**NDNF Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q8TB73</a>
Other Accession	<a href="#">NP_078850.3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	80-109

**NDNF Antibody (N-term) - Additional Information****Gene ID** 79625**Other Names**

Protein NDNF, Neuron-derived neurotrophic factor, NDNF, C4orf31

**Target/Specificity**

This C4orf31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-109 amino acids of human C4orf31.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

NDNF Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NDNF Antibody (N-term) - Protein Information****Name** NDNF**Synonyms** C4orf31

**Function** Secretory protein that plays a role in various cellular processes (PubMed:[20969804](#), PubMed:[24706764](#), PubMed:[31883645](#)). Acts as a chemorepellent acting on gonadotropin-releasing hormone (GnRH) expressing neurons regulating their migration to the hypothalamus (PubMed:[31883645](#)). Also promotes neuron migration, growth and survival as well as neurite outgrowth and is involved in the development of the olfactory system (PubMed:[20969804](#), PubMed:[31883645](#)). May also act through the regulation of growth factors activity and downstream signaling (PubMed:[31883645](#)). Also regulates extracellular matrix assembly and cell adhesiveness (By similarity). Promotes endothelial cell survival, vessel formation and plays an important role in the process of revascularization through NOS3-dependent mechanisms (PubMed:[24706764](#)).

#### Cellular Location

Secreted

#### Tissue Location

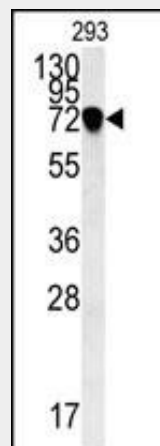
Expressed in neurons along the gonadotropin- releasing hormone (GnRH) expressing neurons migratory route

#### NDNF Antibody (N-term) - Protocols

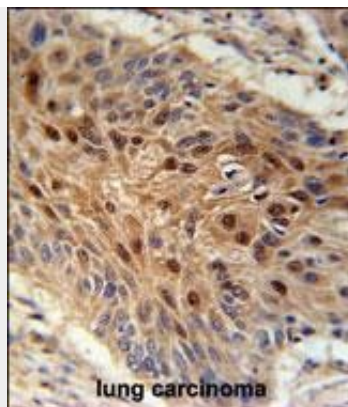
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

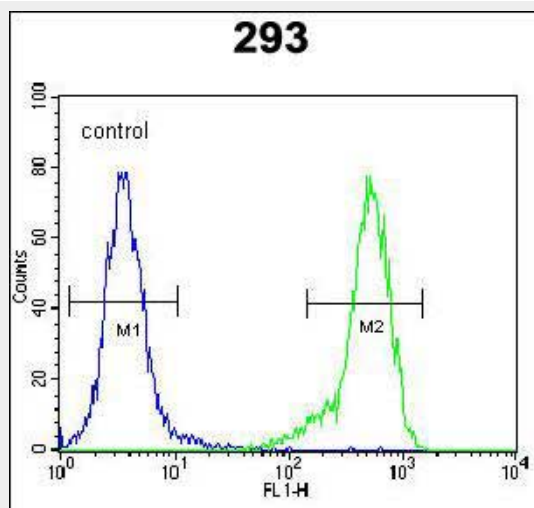
#### NDNF Antibody (N-term) - Images



NDNF Antibody (N-term) (Cat. #AP5812a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the NDNF antibody detected the NDNF protein (arrow).



NDNF Antibody (N-term) (Cat. #AP5812a) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NDNF Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



NDNF Antibody (N-term) (Cat. #AP5812a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **NDNF Antibody (N-term) - Background**

Promotes matrix assembly and cell adhesiveness (By similarity).

#### **NDNF Antibody (N-term) - References**

Uttner, G.E., et al. Genet. Couns. 17(2):205-209(2006) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

#### **NDNF Antibody (N-term) - Citations**

- [Neuron-derived neurotrophic factor functions as a novel modulator that enhances endothelial cell function and revascularization processes.](#)