

# NDNF Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15674

## Product Information

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Application	WB
Primary Accession	<a href="#">Q8TB73</a>
Other Accession	<a href="#">NM_024574</a> , <a href="#">NP_078850</a>
Reactivity	Human, Zebrafish, Pig
Predicted	Human, Zebrafish, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64673

## Additional Information

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Gene ID	79625
Alias Symbol	C4orf31
Other Names	Protein NDNF, Neuron-derived neurotrophic factor, NDNF, C4orf31
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-NDNF antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	NDNF Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	NDNF
Synonyms	C4orf31
Function	Secretory protein that plays a role in various cellular processes (PubMed: <a href="#">20969804</a> , PubMed: <a href="#">24706764</a> , PubMed: <a href="#">31883645</a> ). Acts as a chemorepellent acting on gonadotropin-releasing hormone (GnRH) expressing neurons regulating their migration to the hypothalamus (PubMed: <a href="#">31883645</a> ). Also promotes neuron migration, growth and survival as well as neurite outgrowth and is involved in the development of the olfactory system (PubMed: <a href="#">20969804</a> , PubMed: <a href="#">31883645</a> ). May also act through the regulation of growth factors activity and downstream signaling (PubMed: <a href="#">31883645</a> ). 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

## References

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Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

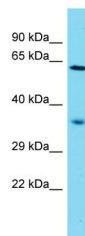
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Kuang X.L.,et al.BMC Neurosci. 11:137-137(2010).

## Images

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Host: Rabbit

Target Name: NDNF

Sample Tissue: Jurkat Whole cell lysate

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Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.