

NDNF Rabbit pAb

Catalog # AP98831

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TB73
Other Accession	Q8TB73
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64673
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NDNF
Epitope Specificity	101-200/568
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Contains 2 fibronectin type-III domains.
Post-translational modifications	O-glycosylated; contains heparan sulfate and chondroitin sulfate. N-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	79625
Other Names	C4orf31; HH25; NORD; A930038C07Rik; epidermacan; AABR07060833.1; RGD1311080; NDNF_HUMAN; NDNF; Neuron-derived neurotrophic factor; NDNF_MOUSE; neuron derived neurotrophic factor; chromosome 4 open reading frame 31
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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