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NDNF Rabbit pAb

Catalog # AP98831

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TB73
Other Accession	Q8TB73
Reactivity	Rat, Mouse
Predicted	Cat, Human, Rabbit, Chicken, Dog, Horse
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
	Secretory protein that plays a role in various cellular processes

Function	(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'.