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Neurotrophin 4 Rabbit pAb

Catalog # AP96493

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P34130
Other Accession	P34130
Reactivity	Rat, Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22427
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NT-4
Epitope Specificity	121-210/210
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NGF-beta family.
DISEASE	Defects in NTF4 may be associated with susceptibility to primary open angle glaucoma type 1O (GLC1O) [MIM:613100]. A form of primary open angle glaucoma (POAG). POAG is characterized by a specific pattern of optic nerve and visual field defects. The angle of the anterior chamber of the eye is open, and usually the intraocular pressure is increased. The disease is asymptomatic until the late stages, by which time significant and irreversible optic nerve damage has already taken place.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Neurotrophin 4 (NT4; synonymous with NT5) belongs to the NGF beta family and is a survival factor for peripheral sensory sympathetic neurons. The expression of this gene is ubiquitous and less influenced by environmental signals. NT4 levels are highest in the prostate, with lower levels in thymus, placenta, and skeletal muscle. NT4 is also expressed in embryonic and adult tissues.

Additional Information

Gene ID	4909
Other Names	GLC10; GLC1O; NT-4; NT-4/5; NT-5; NT4; NT5; NTF5; 2900040K06Rik; NT4/5; Ntf-5; Ntf4; NT4P; NTF4_HUMAN; Neurotrophin-5 (NT-5); Neutrophic factor 4; NTF4_MOUSE; NTF4_RAT; neurotrophin 4; neurotrophin 5 (neurotrophin 4/5); neurotrophic factor 4
Dilution	WB=1:500-2000,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	NTF4
Synonyms	NTF5
Function	Target-derived survival factor for peripheral sensory sympathetic neurons (PubMed:1742028). May promote ameloblast differentiation and subsequent reduction in proliferation of ameloblasts (By similarity).
Cellular Location	Secreted.
Tissue Location	Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues

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