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Rabbit Anti-Neurotrophin 4 antibody

SL0158R

Product Name:	Neurotrophin 4
Chinese Name:	神经生长因子4/5抗体
Alias:	GLC1O; Neurotrophic factor 4; Neurotrophic factor 5; Neurotrophin 4/5; Neurotrophin 5 (neurotrophin 4/5); Neurotrophin 5; Neurotrophin-4; Neurotrophin-5; Neurotrophin4; Neurotrophin4/5; Neurotrophin5; Neutrophic factor 4; Neutrophic factor 5; NT 4; NT-4; NT 4/5; NT-4/5; NT 5; NT-5; NT4; NT4/5; NT4P; NT5; NTF 4; NTF 5; NTF4; NTF4_HUMAN; NTF5
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	14/27kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NT-4:121-210/210
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:
Target-derived survival factor for peripheral sensory sympathetic neurons.

Subcellular Location:
Secreted.

Tissue Specificity:
Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues.

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.

Similarity:
Belongs to the NGF-beta family.

SWISS:
P34130

Gene ID:
4909

Database links:

Entrez Gene: 4909 Human

Entrez Gene: 78405 Mouse

Entrez Gene: 25730 Rat

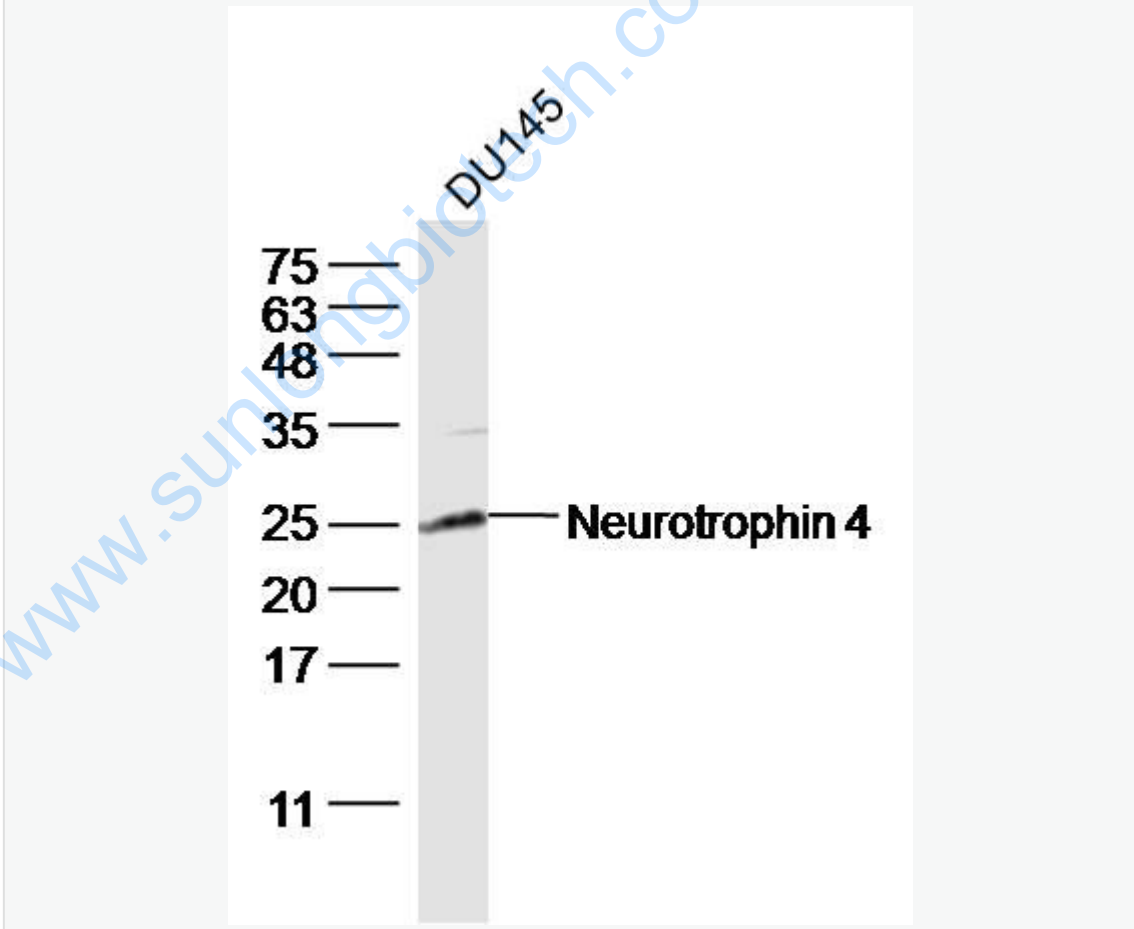
Omim: 162662 Human

SwissProt: P34130 Human

SwissProt: Q80VU4 Mouse

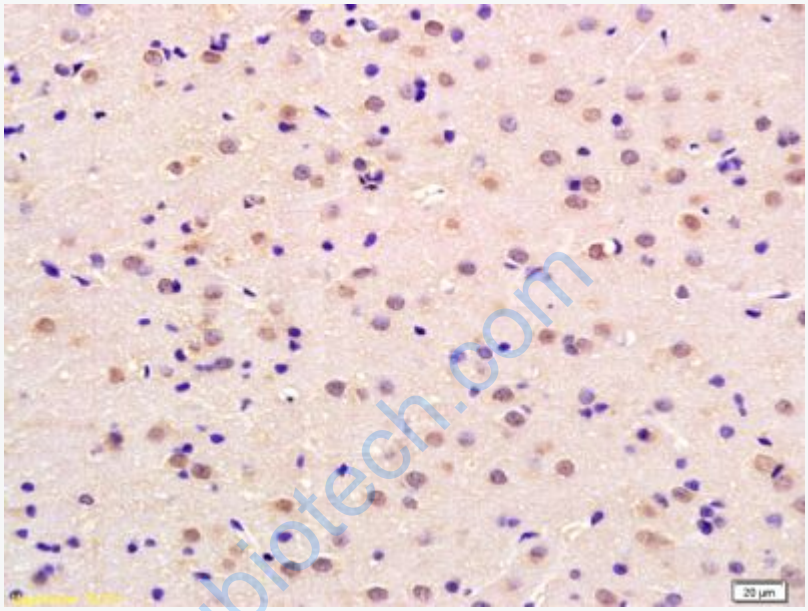
SwissProt: P34131 Rat

Unigene: 266902 Human

	Unigene: 20344 Mouse Unigene: 44225 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Neurotrophic factor 4/5起源于同一基因家族, 故可称为NGF家族。神经生长因子4/5具有促进早期神经元的增殖与分化，维持成熟神经元的存活的生物学功能,能调控神经元再生的微环境、可促进运动神经元的存活和生长并能防止它受损及死亡。
Picture:	 Sample: DU145 Cell (Human) Lysate at 40 ug Primary: Anti-Neurotrophin 4 (SL0158R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 14/27 kD

Observed band size: 26 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-Neurotrophin 4/NT-4/NT-5 Polyclonal Antibody, Unconjugated(SL0158R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining