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Polyclonal Anti-NTF3 Antibody

Catalog Number: PA1062

Description

Gene Name	neurotrophin 3
Recommended Protein Name	Neurotrophin-3
Lot No.	0101212016222
Size	100μg/vial
Form	lyophilized
Ig type	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purification	Immunogen affinity purified.
Species	**Reacts with:** human, mouse, rat
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human NTF3(174-189aa TVLGEIKTGNSPVKQY), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Application

	Concentration	Tested Species	Predicted Species	Antigen Retrieval
Western blot	0.1-0.5μg/ml	Hu, Ms, Rat	-	-
Immunohistochemistry (Paraffin-embedded Section)	0.5-1μg/ml	Rat	Hu, Ms	By Heat

Tested Species: In-house tested species with positive results.

Predicted Species: Species predicted to be fit for the product based on sequence similarities.

By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections.

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Preparation and storage

Reconstitution: 0.2ml of distilled water will yield a concentration of 500μg/ml.

Storage: At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time.
Avoid repeated freezing and thawing.

Relevant detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB, supported by SA1022 in IHC(P).

Background

Neurotrophin-3 is a member of a family of neurotrophic factors, that is closely related to both nerve growth factor and brain derived neurotrophic factor. These proteins are involved in the maintenance of the adult nervous system and affect development of neurons in the embryo when it is expressed in human placenta. NT3 deficient mice generated by gene targeting display severe movement defects of the limbs.

Reference

1. Jones, K. R.; Reichardt, L. F. : Molecular cloning of a human gene that is a member of the nerve growth factor family. *Proc. Nat. Acad. Sci.* 87: 8060-8064, 1990.
2. Rosenthal A., Goeddel D.V., Nguyen T., Lewis M., Shih A., Laramee G.R., Nikolics K., Winslow J.W.;"Primary structure and biological activity of a novel human neurotrophic factor.";Neuron 4:767-773(1990).