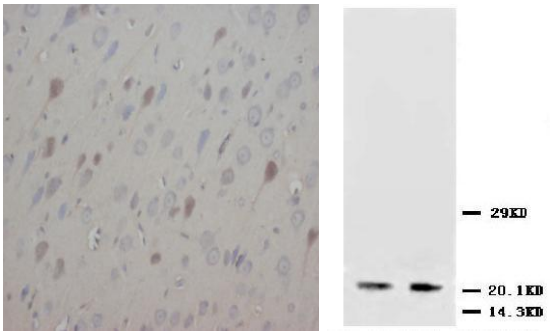
Product Information Sheet

Polyclonal Anti-Neurotrophin-3, *NT3*



Catalogue No. PA1062

Lot No. 03D01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

Immunogen

A synthetic peptide mapping at the middle region of human neurotrophin-3, identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect NT-3 in cells and tissues.

Immunohistochemistry(P)

At 0.5-1µg/ml to detect NT-3in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 50% glycerol, 0.9mg NaCl, 0.2mg Na_2HPO_4.

Reconstitution

1.2% sodium acetate or neutral PBS. If 0.5ml of PBS is used, the antibody concentration will be 100µg/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 longer time.

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).