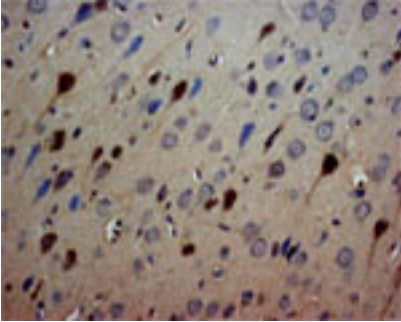


Rabbit polyclonal antibody to NT3 (174-189): Affinity purified

Catalogue No.:	R-1016-100
Description:	NT3 is a member of the neurotrophin family, that controls survival and differentiation of visceral and proprioceptive sensory neurons. NT3 is closely related to both NGF and BDNF. It may be involved in the maintenance of the adult nervous system, and may 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. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse. SUBCELLULAR LOCATION: Secreted protein. TISSUE SPECIFICITY: Brain and peripheral tissues. SIMILARITY: Belongs to the NGF-beta family.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (TVLGEIKTGNSPVKQY) corresponding to amino acid sequence 174-189 from human neurotrophin 3 (NT3).
Other Names:	NT-3; NTF3; Neurotrophin-3; HDNF; Nerve growth factor 2; NGF-2;
Accession:	P20783 NTF3_HUMAN
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human NT3 has a predicted length of 257 amino acids and MW of 29 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect NT3 in paraffin embedded tissues. Antigen retrieval by boiling the paraffin / formalin section in 10mM citrate buffer, pH 6.0 for 20 minutes is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; rat;
Form:	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 ug/mL.
Storage:	Maintain lyophilized antibody at 2-8C. After reconstitution, aliquot and store at -20C for up to 6 months for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase (unopened).

FOR RESEARCH USE ONLY

Rabbit polyclonal antibody to NT3 (174-189): Affinity purified



Immunohistochemical staining of paraffin-embedded rat brain tissue sections using NT3 antibody (R-1016-100) at a concentration of 0.5-1.0 ug/ml. Secondary detection with Biotinylated goat anti-rabbit IgG (10 ug/ml).

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