

NNT-1 Polyclonal Antibody

Catalog # AP74140

Product Information

Application	IHC-P, IF, ICC, E
Primary Accession	Q9UBD9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25176

Additional Information

Gene ID	23529
Other Names	Cardiotrophin-like cytokine factor 1 (B-cell-stimulating factor 3) (BSF-3) (Novel neurotrophin-1) (NNT-1)
Dilution	IHC-P~~IHC-p 1:50-200, ELISA 1:10000-20000 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	CLCF1 (HGNC:17412)
Function	Functions as a cytokine, either alone or by forming a stable complex with soluble CRLF1 or CNTFR (PubMed: 10448081 , PubMed: 10500198 , PubMed: 10966616 , PubMed: 11285233 , PubMed: 11294841). Binds to CNTFR complex (CNTFR, IL6ST/gp130, LIFR) or can signal via trans-signaling using soluble CNTFR subunits (PubMed: 10966616 , PubMed: 11285233 , PubMed: 11294841). Mechanistically, ligand binding to CNTFR, induces dimerization of the IL6ST/gp130 and LIFR, which activates JAK tyrosine kinases (JAK1 or JAK2 and to lesser extent TYK2) bound to their intracellular domains (PubMed: 11294841 , PubMed: 16782820). These kinases subsequently phosphorylate IL6ST/gp130 and LIFR (PubMed: 11294841). The tyrosine phosphorylated signaling receptors serve in turn as docking sites for recruitment and activation of signal transducer and activators of transcription (STAT3 and to lesser extent STAT1) (PubMed: 10448081 , PubMed: 10500198 , PubMed: 10966616 , PubMed: 11285233 , PubMed: 11294841 , PubMed: 16782820). Moreover, CLCF1/CLF heterodimer induces tyrosine phosphorylation of PTPN11, that associates with IL6ST/gp130-LIFR, which in turn recruits PIK3 protein kinase followed by AKT protein phosphorylation (PubMed: 11294841). Participates in the survival of embryonic motor neurons

(PubMed:[10500198](#), PubMed:[10966616](#)). Also stimulates B-cells (By similarity).

Cellular Location

Secreted Note=Secreted as a stable complex with CLCF1 or soluble form of CNTFR (PubMed:10966616, PubMed:11285233). Secretion is CRLF1- or CNTFR (soluble form)-dependent (PubMed:10966616, PubMed:11285233)

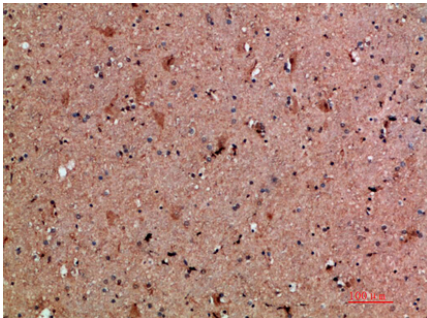
Tissue Location

Expressed predominantly in lymph nodes, spleen, peripheral blood lymphocytes, bone marrow, and fetal liver

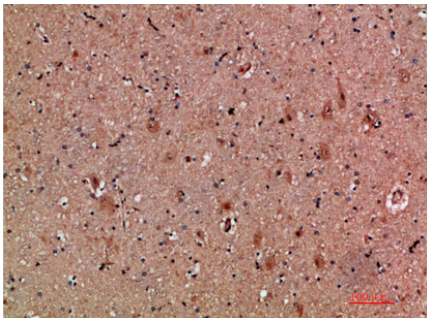
Background

Cytokine with B-cell stimulating capability. Binds to and activates the ILST/gp130 receptor.

Images



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200



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