



# NNT-1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-10689
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	CLCF1 BSF3 CLC NNT1
<b>Protein Name</b>	Cardiotrophin-like cytokine factor 1 (B-cell-stimulating factor 3) (BSF-3) (Novel neurotrophin-1) (NNT-1)
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 171-220
<b>Specificity</b>	The antibody detects endogenous NNT-1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Cardiotrophin-like cytokine factor 1 (B-cell-stimulating factor 3;BSF-3;Novel neurotrophin-1;NNT-1)
<b>Observed Band</b>	
<b>Cell Pathway</b>	Secreted .
<b>Tissue Specificity</b>	Expressed predominantly in lymph nodes, spleen, peripheral blood lymphocytes, bone marrow, and fetal liver.
<b>Function</b>	disease:Defects in CLCF1 are the cause of cold-induced sweating syndrome 2 (CISS2) [MIM:610313]. Cold-induced sweating syndrome (CISS) is an autosomal recessive disorder characterized by profuse sweating induced by cool surroundings (temperatures of 7 to 18 degrees Celsius). Additional abnormalities include a high-arched palate, nasal voice, depressed nasal bridge, inability to fully extend the elbows and kyphoscoliosis. ,function:Cytokine with B-cell stimulating capability. Binds to and activates the IL6ST/gp130 receptor. ,similarity:Belongs to the IL-6 superfamily. ,tissue specificity:Expressed predominantly in lymph nodes, spleen, peripheral blood lymphocytes, bone marrow, and fetal liver. ,
<b>Background</b>	This gene is a member of the glycoprotein (gp)130 cytokine family and encodes cardiotrophin-like cytokine factor 1 (CLCF1). CLCF1 forms a heterodimer complex with cytokine receptor-like factor 1 (CRLF1). This dimer competes with ciliary neurotrophic factor (CNTF) for binding to the ciliary neurotrophic factor receptor (CNTFR) complex, and activates the Jak-STAT signaling cascade. CLCF1 can be



actively secreted from cells by forming a complex with soluble type I CRLF1 or soluble CNTFR. CLCF1 is a potent neurotrophic factor, B-cell stimulatory agent and neuroendocrine modulator of pituitary corticotroph function. Defects in CLCF1 cause cold-induced sweating syndrome 2 (CISS2). This syndrome is characterized by a profuse sweating after exposure to cold as well as congenital physical abnormalities of the head and spine. Alternative splicing results in multiple transcript variants encodin

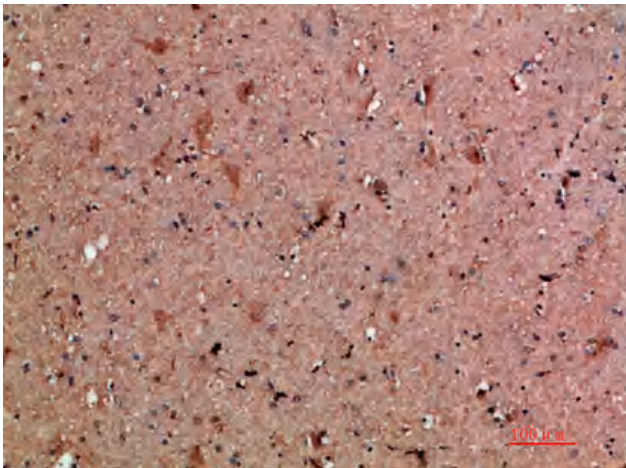
**matters needing attention**

Avoid repeated freezing and thawing!

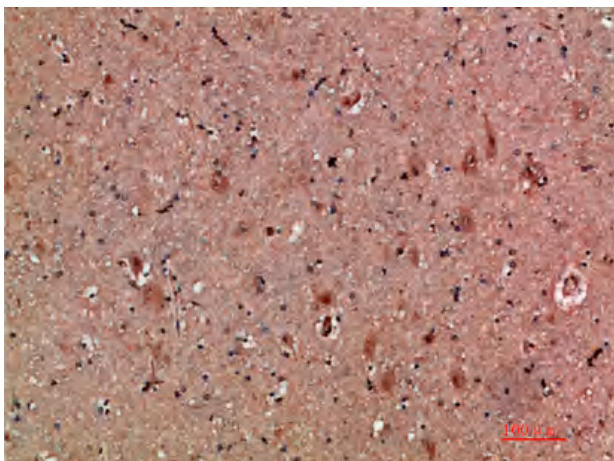
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



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



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