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Rabbit Anti-NNT1/BSF3 antibody

SL19304R

Product Name:	NNT1/BSF3
Chinese Name:	神经营养因子1/Blymphocyte刺激因子3抗体
Alias:	B cell stimulating factor 3; B-cell-stimulating factor 3; BSF 3; BSF-3; BSF3; Cardiotrophin like cytokine; Cardiotrophin like cytokine factor 1; Cardiotrophin-like cytokine factor 1; CISS 2; CISS2; CLC; CLCF 1; Clcf1; CLCF1_HUMAN; Cold induced sweating syndrome 2; CRLF 1 associated cytokine like factor 1; CRLF1 associated cytokine like factor 1; Neurotrophin 1; Neurotrophin 1/B cell stimulating factor 3; Neurotrophin1; NNT 1; NNT-1; Novel neurotrophin 1; Novel neurotrophin-1; NR 6; NR6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NNT1/BSF3:131-225/225
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene is a member of the glycoprotein (gp)130 cytokine family and encodes

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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 encoding distinct isoforms.[provided by RefSeq, Oct 2009]

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

Subcellular Location:
Secreted.

Tissue Specificity:
Expressed predominantly in lymph nodes, spleen, peripheral blood lymphocytes, bone marrow, and fetal liver.

DISEASE:
Defects in CLCF1 are the cause of cold-induced sweating syndrome type 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.

Similarity:
Belongs to the IL-6 superfamily.

SWISS:
P40261

Gene ID:
23529

Database links:

Entrez Gene: 23529 Human

Entrez Gene: 56708 Mouse

Entrez Gene: 365395 Rat

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	Omim: 607672 Human SwissProt: P40261 Human SwissProt: Q9QZM3 Mouse Unigene: 502977 Human Unigene: 347919 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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