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Product datasheet for AP01128BT-N

NNT1 (CLCF1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Direct: To detect hNNT-1/BCSF-3 by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml is required. In conjunction with compatible secondary reagents, this antibody allows the detection of at least 0.2 - 0.4 ng/well of recombinant hNNT-1/BCSF-3. Sandwich: To detect hNNT-1/BCSF-3 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with Polyclonal Anti-Human NNT-1/BCSF-3 as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hNNT-1/BCSF-3. Western Blot: To detect hNNT-1/BCSF-3 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hNNT-1/BCSF-3 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human NNT-1/BCSF-3
Specificity:	This antibody detects NNT-1/BCSF-3.
Formulation:	PBS, pH 7.2 Label: Biotin State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.

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Stability:	Shelf life: One year from despatch.
Gene Name:	cardiotrophin-like cytokine factor 1
Database Link:	Entrez Gene 23529 Human Q9UBD9
Background:	NNT1 belongs to the interleukin 6 family of cytokines, which are involved in cell signaling through phosphorylation of gp130. IL6 family members share similarity in gene structure and have a 4 helix bundle in their protein structure. NNT1 has a sequence of 225-amino acids with a 27-aa signal peptide, a molecular mass of 22 kDa in mature form, and the highest homology to cardiotrophin-1 and ciliary neurotrophic factor. NNT1 may act as a neuroimmunoendocrine modulator of hypothalamus-pituitary-adrenal axis stress response.
Synonyms:	BSF3, CLC, NNT1, Novel neurotrophin-1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway