

心肌营养素 1 抗体

产品货号： mIR2534

英文名称： CT-1

中文名称： 心肌营养素 1 抗体

别 名： cardiotrophin-1; Cardiophin1; Cardiotrophin 1; Cardiotrophin I; CardiotrophinI; CT1; CTF 1; CTF1; CTF1_HUMAN.

研究领域： 心血管 细胞生物 免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 21kDa

细胞定位： 分泌型蛋白

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human CT-1:121-201/201

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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

产品介绍： Cardiotrophin-1 (CT-1), a cardiac hypertrophic factor, is a 21.5 kDa protein member of the IL-6 cytokine family. CT-1 is associated with the pathophysiology of heart diseases, including hypertension, myocardial infarction, valvular heart disease, and congestive heart failure. The protein exerts its cellular effects by interacting with the glycoprotein 130 (gp130)/leukemia inhibitory factor receptor beta (LIFR) heterodimer. In addition, CT-1 activates phosphatidylinositol 3-kinase (PI-3 kinase) in cardiac myocytes and enhances transcription factor NF kappa B DNA -binding activities. CT-1 is highly expressed in the heart, skeletal muscle, prostate and ovary and to lower levels in lung, kidney, pancreas, thymus, testis and small intestine.

Function:

Induces cardiac myocyte hypertrophy in vitro. Binds to and activates the ILST/gp130 receptor.

Subcellular Location:

Secreted.

Tissue Specificity:

Highly expressed in heart, skeletal muscle, prostate and ovary. Lower levels in lung, kidney, pancreas, thymus, testis and small intestine. Little or no expression in brain, placenta, liver, spleen, colon or peripheral blood leukocytes.

Similarity:

Belongs to the IL-6 superfamily.

SWISS:

Q16619

Gene ID:

1489

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.