

Cardiotrophin-1 Polyclonal Antibody

Catalog No: YT0638

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Cardiotrophin-1

Fields: >>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway

Gene Name: CTF1

Protein Name : Cardiotrophin-1

Human Gene Id: 1489

Human Swiss Prot

Q16619

No:

Mouse Gene Id: 13019

Mouse Swiss Prot

Q60753

No:

Rat Gene ld: 29201

Rat Swiss Prot No: Q63086

Immunogen: The antiserum was produced against synthesized peptide derived from human

Cardiotrophin-1. AA range:31-80

Specificity: Cardiotrophin-1 Polyclonal Antibody detects endogenous levels of

Cardiotrophin-1 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

1/3



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 21kD

Cell Pathway: Cytokine-cytokine receptor interaction; Jak_STAT;

Background: The protein encoded by this gene is a secreted cytokine that induces cardiac

myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receoptor. Two transcript variants encoding different isoforms have

been found for this gene. [provided by RefSeq, Dec 2008],

Function: function:Induces cardiac myocyte hypertrophy in vitro. Binds to and activates the

ILST/gp130 receptor., similarity: Belongs to the IL-6 superfamily., 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.,

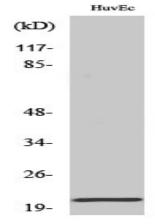
Subcellular Location:

Secreted.

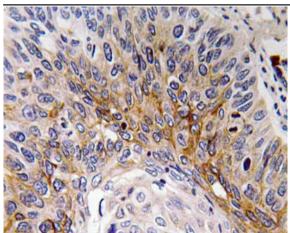
Expression:

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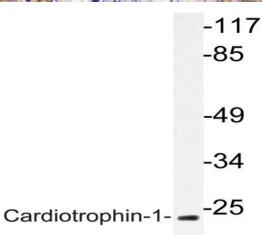
Products Images



Western Blot analysis of various cells using Cardiotrophin-1 Polyclonal Antibody



Immunohistochemistry analysis of Cardiotrophin-1 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from HUVEC cells, using Cardiotrophin-1 antibody.