



Cardiotrophin-1 Polyclonal Antibody

Catalog No	YP-Ab-10757
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	CTF1
Immunogen	Synthesized peptide derived from human Cardiotrophin-1. at AA range: 151-200
Specificity	This antibody detects endogenous levels of Cardiotrophin-1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000, ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cardiotrophin-1;CTF1;Cardiotrophin-1 (CT-1)
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	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.
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.,
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 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008],

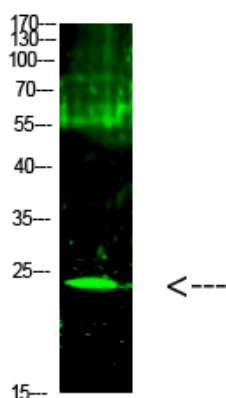
**matters needing attention**

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



Western Blot analysis of 1, mouse-kidney cells using primary antibody diluted at 1:1000 (4°C overnight).
Secondary antibody: Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour)