



Cardiotrophin-1 Polyclonal Antibody

Catalog No	YP-Ab-15884
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CTF1
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cardiophin 1;Cardiophin1;Cardiotrophin I;Cardiotrophin-1;Cardiotrophin1;CardiotrophinI;CT 1;CT-1;CT1;CTF 1;Ctf1;CTF1_HUMAN
Observed Band	21kD
Calculated Molecular Weight	21kD
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**

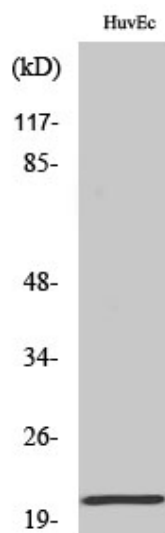
Avoid repeated freezing and thawing!

Usage suggestions

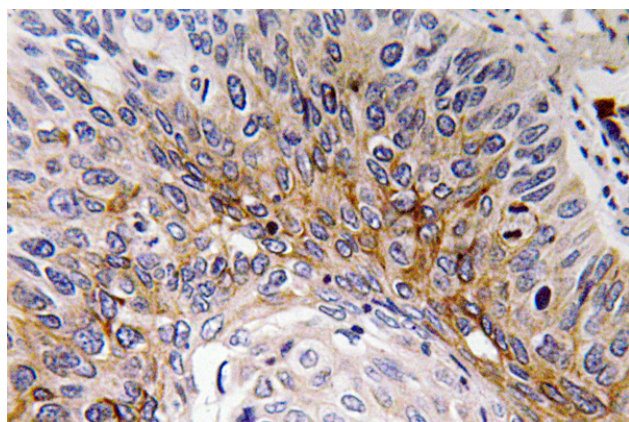
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



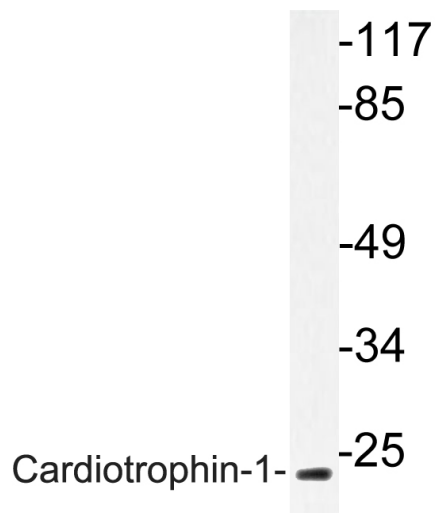
Products Images



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



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



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