

## Rabbit anti-Human CTF1 Polyclonal Antibody | anti-CTF1 antibody

CTF1 Antibody (C-term)

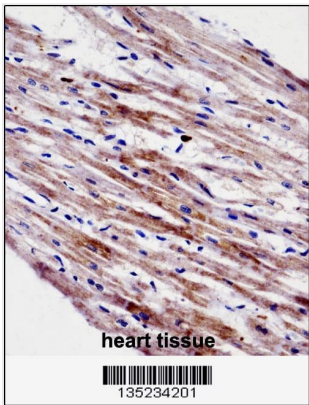
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA290347 | Rabbit | Human      | Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot |

### PRODUCT SYNONYMS

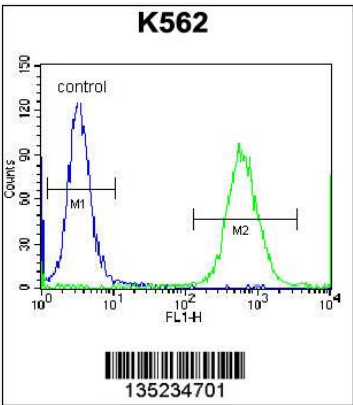
CTF1; Polyclonal Antibody; CTF1 Antibody (C-term); Cardiostrophin-1; CT-1; anti-CTF1 antibody

### PRODUCT SPECIFICATIONS

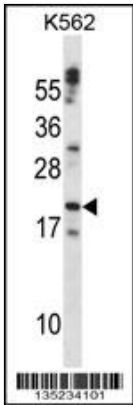
|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This CTF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-194 amino acids from the C-terminal region of human CTF1.         |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 166-194                                                                                                                                                                      |
| Sequence Length                                | 200                                                                                                                                                                          |
| Applicable Applications for anti-CTF1 antibody | IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                              |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**IHC (Immunohistochemisry)**  
CTF1 Antibody (C-term) (AAA290347)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CTF1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**FCM/FACS (Flow Cytometry)**  
CTF1 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
CTF1 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CTF1 antibody detected the CTF1 protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTF1 antibody | 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.                                         |
| Product Categories/Family for anti-CTF1 antibody   | Cardiovascular; Immunology; Metabolism; Signal transduction                                                                                                                                                                                                                                           |
| References                                         | Robador, P.A., et al. J. Hypertens. (2010) In press :<br>Bailey, S.D., et al. Diabetes Care (2010) In press :<br>Limongelli, G., et al. Cytokine 50(3):245-247(2010)<br>Zimmerman, R.S., et al. Genet. Med. 12(5):268-278(2010)<br>Fritzenwanger, M., et al. Mediators Inflamm. 2009, 489802 (2009) : |

NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | 216548056                   |
| NCBI GeneID               | 1489                        |
| NCBI Accession #          | NP_001136016.1; NP_001321.1 |
| NCBI GenBank Nucleotide # | NM_001142544.1              |

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">Q16619</a> ; <a href="#">Q5U5Y7</a> ; <a href="#">A8MVX4</a> |
| Molecular Weight                 | 21227                                                                    |
| NCBI Official Full Name          | cardiotrophin-1 isoform 2                                                |
| NCBI Official Synonym Full Names | cardiotrophin 1                                                          |
| NCBI Official Symbol             | CTF1                                                                     |
| NCBI Official Synonym Symbols    | CT1; CT-1                                                                |
| NCBI Protein Information         | cardiotrophin-1                                                          |
| UniProt Protein Name             | Cardiotrophin-1                                                          |
| UniProt Gene Name                | <b>CTF1</b>                                                              |
| UniProt Synonym Gene Names       | CT-1                                                                     |
| UniProt Entry Name               | CTF1_HUMAN                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctf1-antibody-immunohistochemistry-flow-cytometry-western-blot-elisa/290347>