

Datasheet for ABIN1881444  
**anti-ICT1 antibody (C-Term)**

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## Overview

Quantity:	400 µL
Target:	ICT1
Binding Specificity:	AA 153-179, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ICT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ICT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 153-179 amino acids from the C-terminal region of human ICT1.
Clone:	RB42881
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ICT1
Alternative Name:	ICT1 ( <a href="#">ICT1 Products</a> )
Background:	Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit.

## Target Details

Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes.

Molecular Weight: 23630

NCBI Accession: [NP\\_001536](#)

UniProt: [Q14197](#)

## Application Details

Application Notes: WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

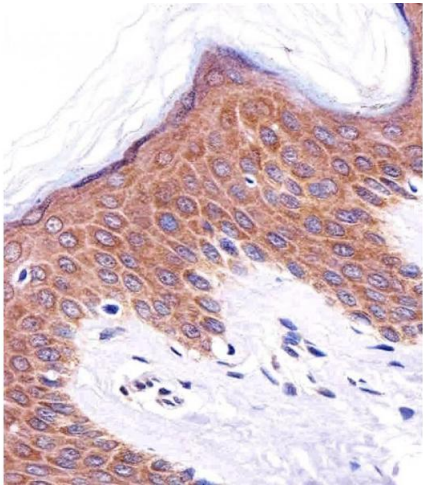
## Publications

Product cited in: Xiang, Jiang, Liu, Zhang, Zhu: "hMan2c1 transgene promotes tumor progress in mice." in: **Transgenic research**, Vol. 19, Issue 1, pp. 67-75, (2010) ([PubMed](#)).

Tian, Ju, Zhou, Liu, Zhu: "Inhibition of alpha-mannosidase Man2c1 gene expression suppresses growth of esophageal carcinoma cells through mitotic arrest and apoptosis." in: **Cancer science**, Vol. 99, Issue 12, pp. 2428-34, (2008) ([PubMed](#)).

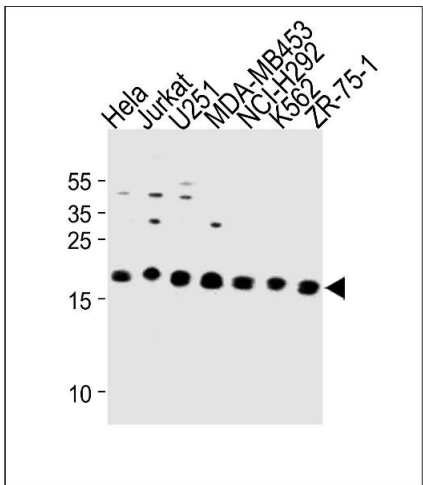
Qu, Ju, Chen, Shi, Xiang, Zhou, Tian, Liu, Zhu: "Inhibition of the alpha-mannosidase Man2c1 gene expression enhances adhesion of Jurkat cells." in: **Cell research**, Vol. 16, Issue 7, pp. 622-

Images



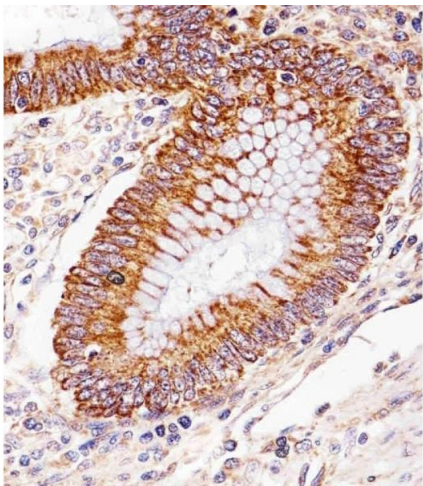
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of paraffin-embedded H. skin section using ICT1 Antibody (C-term) (ABIN1881444 and ABIN2843293). (ABIN1881444 and ABIN2843293) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

**Image 2.** ICT1 Antibody (C-term) (ABIN1881444 and ABIN2843293) western blot analysis in Hela, Jurkat, MDA-M, NCI, K562, ZR-75-1 cell line lysates (35 µg/lane). This demonstrates the ICT1 antibody detected the ICT1 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemical analysis of paraffin-embedded H. colorectal carcinoma section using ICT1 Antibody (C-term) (ABIN1881444 and ABIN2843293). (ABIN1881444 and ABIN2843293) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.