

Datasheet for ABIN655895  
**anti-DDIT3 antibody (C-Term)**

## 7 Images

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## Overview

Quantity:	400 µL
Target:	DDIT3
Binding Specificity:	AA 120-149, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDIT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	This DDIT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-149 amino acids from the C-terminal region of human DDIT3.
Clone:	RB13788
Isotype:	Ig Fraction
Predicted Reactivity:	B, Ha
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	DDIT3
Alternative Name:	DDIT3 ( <a href="#">DDIT3 Products</a> )

## Target Details

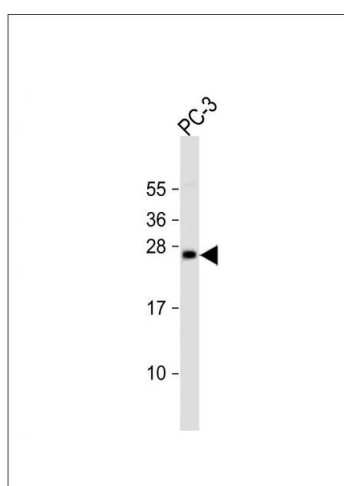
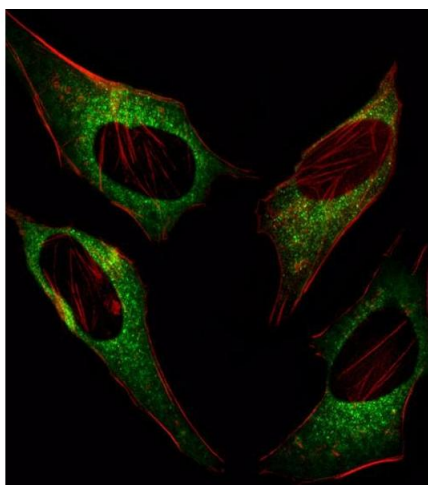
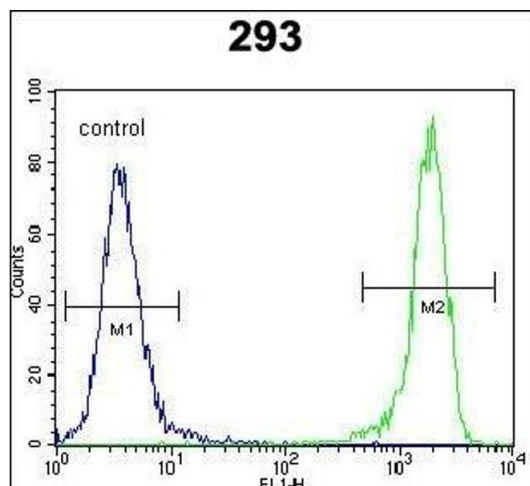
Background:	This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. The protein functions as a dominant-negative inhibitor by forming heterodimers with other C/EBP members, such as C/EBP and LAP (liver activator protein), and preventing their DNA binding activity. The protein is implicated in adipogenesis and erythropoiesis, is activated by endoplasmic reticulum stress, and promotes apoptosis. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in myxoid liposarcomas or Ewing sarcoma. Multiple alternatively spliced transcript variants encoding two isoforms with different length have been identified.
Molecular Weight:	19175
Gene ID:	1649
NCBI Accession:	<a href="#">NP_001181982</a> , <a href="#">NP_001181983</a> , <a href="#">NP_001181984</a> , <a href="#">NP_001181986</a> , <a href="#">NP_004074</a>
UniProt:	<a href="#">P35638</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:2000. WB: 1:2000. WB: 1:1000. FC: 1:25. FC: 1:25. FC: 1:10~50
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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



### Flow Cytometry

**Image 1.** DDIT3 Antibody (C-term ) (ABIN655895 and ABIN2845295) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Immunofluorescence

**Image 2.** Fluorescent image of HeLa cell stained with DDIT3 Antibody (C-term ) (ABIN655895 and ABIN2845295)/SA101207. HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with DDIT3 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). DDIT3 immunoreactivity is localized to Cytoplasm significantly.

### Western Blotting

**Image 3.** Anti-DDIT3 Antibody (C-term ) at 1:2000 dilution + PC-3 whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 19 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN655895.