

Datasheet for ABIN652188  
**anti-DDIT4 antibody (C-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	400 µL
Target:	DDIT4
Binding Specificity:	AA 198-227, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDIT4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This DDIT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-227 amino acids from the C-terminal region of human DDIT4.
Clone:	RB11618
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	DDIT4
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## Target Details

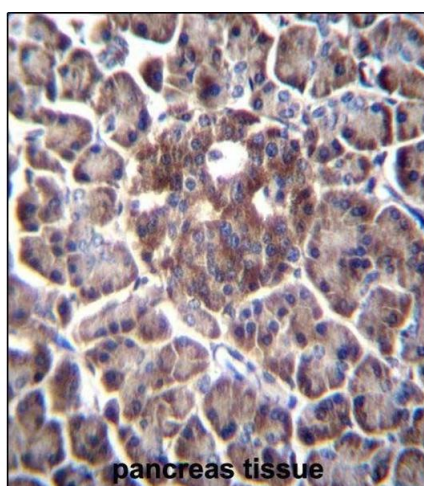
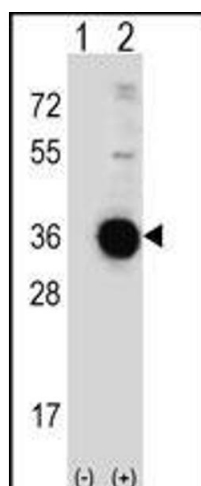
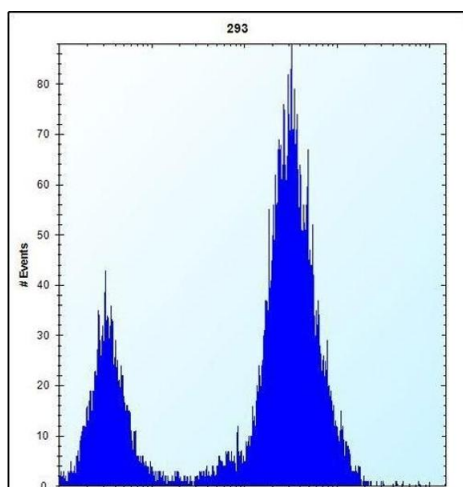
Alternative Name:	DDIT4 ( <a href="#">DDIT4 Products</a> )
Background:	REDD1 is a novel transcriptional target of p53 induced following DNA damage. During embryogenesis, REDD1 expression mirrors the tissue-specific pattern of the p53 family member p63, and TP63 null embryos show virtually no expression of REDD1, which is restored in mouse embryo fibroblasts following p63 expression. In differentiating primary keratinocytes, TP63 and REDD1 expression are coordinately downregulated, and ectopic expression of either gene inhibits in vitro differentiation. REDD1 appears to function in the regulation of reactive oxygen species (ROS), TP63 null fibroblasts have decreased ROS levels and reduced sensitivity to oxidative stress, which are both increased following ectopic expression of either TP63 or REDD1. Thus, REDD1 encodes a shared transcriptional target that implicates ROS in the p53-dependent DNA damage response and in p63-mediated regulation of epithelial differentiation.
Molecular Weight:	25371
Gene ID:	54541
NCBI Accession:	<a href="#">NP_061931</a>
UniProt:	<a href="#">Q9NX09</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. 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.



### Flow Cytometry

**Image 1.** DDIT4 Antibody (C-term) (ABIN652188 and ABIN2840691) 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.

### Western Blotting

**Image 2.** Western blot analysis of DDIT4 (arrow) using rabbit polyclonal DDIT4 Antibody (C-term) (ABIN652188 and ABIN2840691). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DDIT4 gene.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** DDIT4 Antibody (C-term) (ABIN652188 and ABIN2840691) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DDIT4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.