

Datasheet for ABIN656987
anti-DDIT3 antibody (AA 82-110)

2 Images

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Overview

Quantity:	400 µL
Target:	DDIT3
Binding Specificity:	AA 82-110
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDIT3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This DDIT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-110 amino acids from the Central region of human DDIT3.
Clone:	RB32988
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DDIT3
Alternative Name:	DDIT3 (DDIT3 Products)
Background:	This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of

Target Details

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: [NP_001181982](#), [NP_001181983](#), [NP_001181984](#), [NP_001181986](#), [NP_004074](#)

UniProt: [P35638](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [ER-Nucleus Signaling](#), [Skeletal Muscle Fiber Development](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: WB: 1:1000. 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.

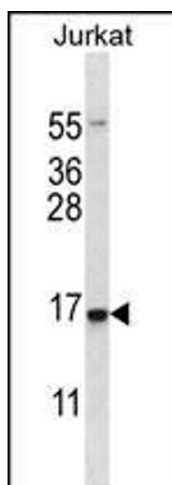
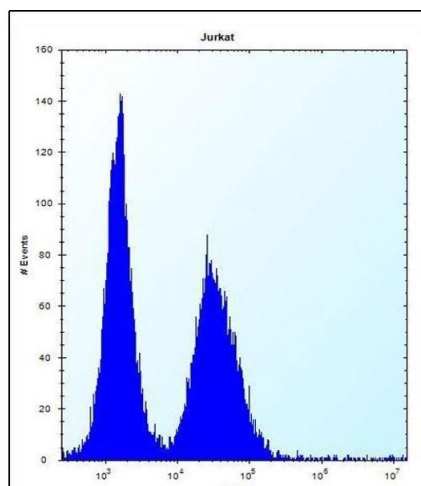
Preservative: Sodium azide

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: DDIT3 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Flow Cytometry

Image 1. DDIT3 Antibody (Center) (ABIN656987 and ABIN2846170) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. DDIT3 Antibody (Center) (ABIN656987 and ABIN2846170) western blot analysis in Jurkat cell line lysates (35 μ g/lane). This demonstrates the DDIT3 antibody detected the DDIT3 protein (arrow).