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Datasheet for ABIN7266818
anti-DDIT3 antibody

4 Images

Overview

Quantity:	100 µL
Target:	DDIT3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DDIT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	DDIT3/CHOP Rabbit mAb
Immunogen:	Recombinant protein of Human DDIT3/CHOP.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	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.,DDIT3,CEBPZ,CHOP,CHOP-10,CHOP10,GADD153,C/EBPzeta,DDIT3 / CHOP,Epigenetics & Nuclear Signaling,Transcription Factors,Signal Transduction,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Autophagy,Protein folding,Endocrine & Metabolism,Endocrine and metabolic diseases,Diabetes,Metabolic disorders,Obesity,Stem Cells,Embryonic Stem Cells,DDIT3

Molecular Weight: 19kDa/21kDa

Gene ID: 1649

UniProt: [P35638](#)

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

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

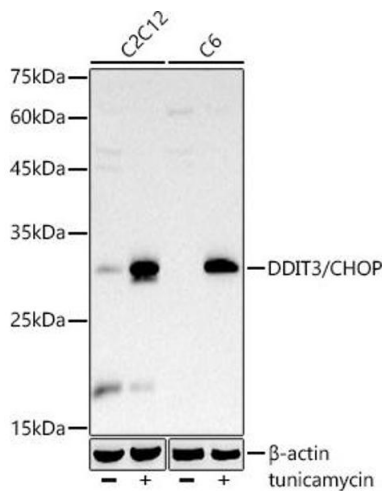
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



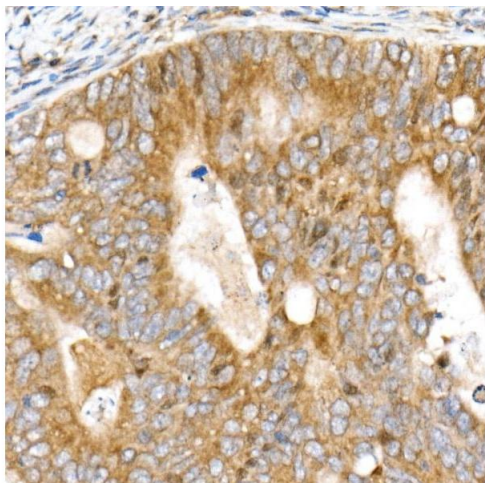
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat testis using [KO Validated] DDIT3/CHOP Rabbit mAb at dilution of 1:100 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DDIT3/CHOP antibody at 1:1000 dilution. C2C12 and C6 cells were treated by tunicamycin (2 µg/mL) for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] DDIT3/CHOP Rabbit mAb at dilution of 1:100 (40x lens).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7266818.