# **DDIT3/CHOP Rabbit mAb**

Catalog No.: A20987 Recombinant 24 Publications



# **Basic Information**

### **Observed MW**

27kDa

#### **Calculated MW**

19kDa

### Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC51429

# **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.

# **Recommended Dilutions**

**WB** 1:1000 - 1:2000

IHC-P 1:200 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

**Gene ID Swiss Prot** 1649 P35638

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

CHOP; CEBPZ; CHOP10; CHOP-10; GADD153; AltDDIT3; C/EBPzeta; DDIT3/CHOP

## **Contact**

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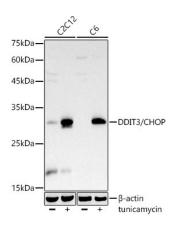
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



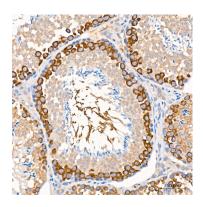
Western blot analysis of various lysates using DDIT3/CHOP Rabbit mAb (A20987) at1:1000 dilution incubated overnight at 4°C. C2C12 and C6 cells were treated with tunicamycin (2  $\mu$ g/ml) for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at1:10000 dilution.

Lysates/proteins: 25µg per lane.

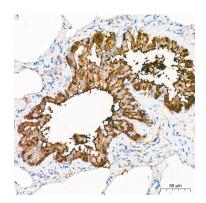
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffinembedded Mouse testis tissue using DDIT3/CHOP Rabbit mAb (A20987) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat lung tissue using DDIT3/CHOP Rabbit mAb (A20987) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.