

## Rabbit DDIT3 Polyclonal Antibody | anti-DDIT3 antibody

DDIT3 Polyclonal Antibody

|                              |                       |                                                                               |
|------------------------------|-----------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA36787</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|-------------------------------------------------------------------------------|

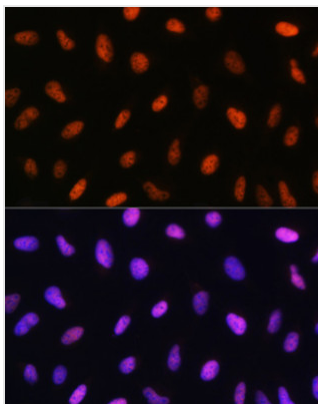
### PRODUCT SYNONYMS

DDIT3; Polyclonal Antibody; DDIT3 Polyclonal Antibody; CHOP: DDIT3; CEBPZ; CHOP; CHOP10; GADD153; MGC4154; anti-DDIT3 antibody

### PRODUCT SPECIFICATIONS

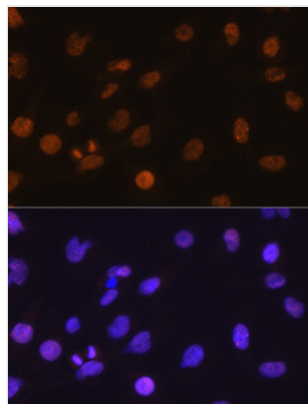
|                                                 |                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                        |
| Isotype                                         | IgG                                                                                                               |
| Purity/Purification                             | Affinity Purification                                                                                             |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                 |
| Sequence Length                                 | 169                                                                                                               |
| Applicable Applications for anti-DDIT3 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                            |
| Species Reactivity / Cross Reactivity           | Human, Mouse, Rat                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                               |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 1-169 of human DDIT3/CHOP (P35638). |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.                          |

### IMAGES



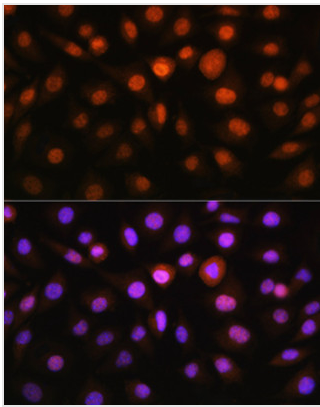
#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using DDIT3/CHOP antibody (AAA36787) at dilution of 1:100. Blue: DAPI for nuclear staining.



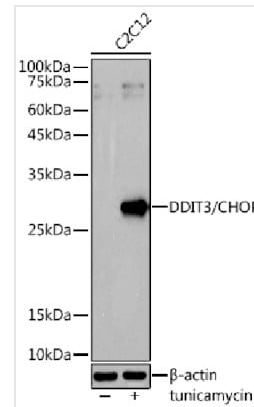
#### IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using DDIT3/CHOP antibody (AAA36787) at dilution of 1:100. Blue: DAPI for nuclear staining.



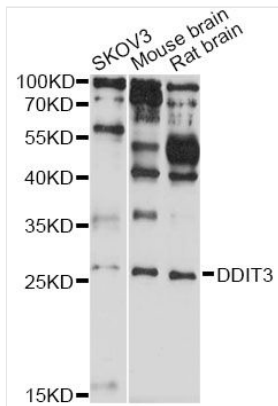
#### IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using DDIT3/CHOP antibody (AAA36787) at dilution of 1:100. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of C2C12 cells, using DDIT3/CHOP antibody (AAA36787) at 1:1000 dilution. C2C12 cells were treated by tunicamycin (2 ug/ml) for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using DDIT3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 20s.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-DDIT3 antibody

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.

#### Product Categories/Family for anti-DDIT3 antibody

Polyclonal

## NCBI AND UNIPROT INFORMATION

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| NCBI GI #               | 544022                                           |
| NCBI GeneID             | 1649                                             |
| UniProt Accession #     | P35638; F8VS99                                   |
| Molecular Weight        | Observed MW: 30KDa<br>Calculated MW: 19kDa/21kDa |
| NCBI Official Full Name | DNA damage-inducible transcript 3 protein        |

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Full Names | DNA-damage-inducible transcript 3                                                                                                                                                                     |
| NCBI Official Symbol             | DDIT3                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | CHOP; CEBPZ; CHOP10; CHOP-10; GADD153                                                                                                                                                                 |
| NCBI Protein Information         | DNA damage-inducible transcript 3 protein; DDIT-3; C/EBP zeta; c/EBP-homologous protein 10; CCAAT/enhancer-binding protein homologous protein; growth arrest and DNA damage-inducible protein GADD153 |
| UniProt Protein Name             | DNA damage-inducible transcript 3 protein                                                                                                                                                             |
| UniProt Gene Name                | <b>DDIT3</b>                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | CHOP; CHOP10; GADD153; DDIT-3; CHOP; CHOP-10                                                                                                                                                          |
| UniProt Entry Name               | DDIT3_HUMAN                                                                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ddit3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36787>