

Rabbit DDIT3 Polyclonal Antibody | anti-DDIT3 antibody

DDIT3 Antibody (C-term A135)

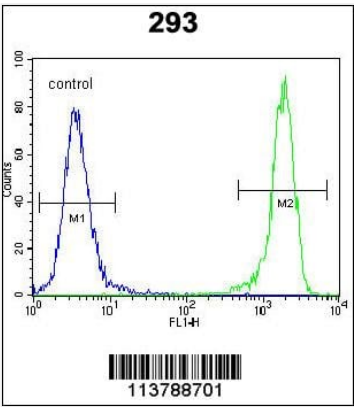
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287532	Rabbit	Mouse (Predicted Reactivity: Bovine, Hamster)	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

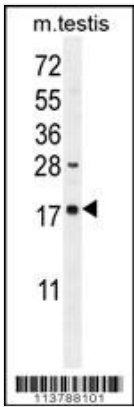
DDIT3; Polyclonal Antibody; DDIT3 Antibody (C-term A135); DNA damage-inducible transcript 3 protein; DDIT-3; C/EBP zeta; C/EBP-homologous protein; CHOP; C/EBP-homologous protein 10; CHOP-10; CCAAT/enhancer-binding protein homologous protein; Growth arrest and DNA damage-inducible protein GADD153; CHOP10; GADD153; anti-DDIT3 antibody

PRODUCT SPECIFICATIONS

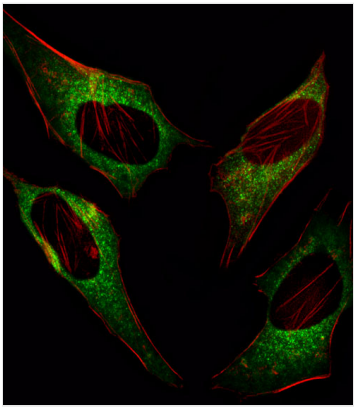
Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Bovine, Hamster)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DDIT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-149 amino acids from the C-terminal region of human DDIT3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	120-149
Sequence Length	192
Applicable Applications for anti-DDIT3 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
DDIT3 Antibody (C-term A135) 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.



WB (Western Blot)
DDIT3 Antibody (C-term A135) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the DDIT3 antibody detected the DDIT3 protein (arrow).



IF (Immunofluorescence)
Fluorescent image of HeLa cell stained with DDIT3 Antibody (C-term A135). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with DDIT3 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). DDIT3 immunoreactivity is localized to Cytoplasm significantly.

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	Developmental biology; Metabolism; Signal transduction

References	Park, S.H., et al. J. Immunol. 185(9):5522-5530(2010) Goodall, J.C., et al. Proc. Natl. Acad. Sci. U.S.A. 107(41):17698-17703(2010) Zhang, H.M., et al. J. Virol. 84(17):8446-8459(2010) Cazanave, S.C., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 299 (1), G236-G243 (2010) : Wang, Y.L., et al. J. Exp. Clin. Cancer Res. 29, 54 (2010) :
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NCBI AND UNIPROT INFORMATION

NCBI GI #	304282225
NCBI GeneID	1649
NCBI Accession #	NP_001181982.1; NP_001181983.1; NP_001181984.1; NP_001181986.1; NP_004074.2
NCBI GenBank Nucleotide #	NM_001195053.1
UniProt Accession #	P35638; F8VS99
Molecular Weight	19175
NCBI Official Full Name	DNA damage-inducible transcript 3 protein isoform 1
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
UniProt Protein Name	DNA damage-inducible transcript 3 protein
UniProt Gene Name	DDIT3
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://www.aaabiotech.com/polyclonal/ddit3-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/287532>