

Rabbit DDIT3 / CHOP Polyclonal Antibody | anti-DDIT3 / CHOP antibody

Anti-DDIT3 / CHOP Antibody IHC-plus

CATALOG # AAA162218	HOST Rabbit	REACTIVITY Mouse, Rat, Human	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry
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PRODUCT SYNONYMS

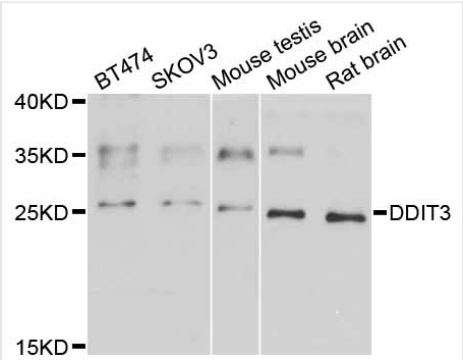
DDIT3 / CHOP; Polyclonal Antibody; Anti-DDIT3 / CHOP Antibody IHC-plus; DDIT3 Antibody; CHOP10 Antibody; DDIT-3 Antibody; CHOP Antibody; GADD153 Antibody; C/EBP zeta Antibody; C/EBP-homologous protein Antibody; C/EBP-homologous protein 10 Antibody; CHOP-10 Antibody; anti-DDIT3 / CHOP antibody

PRODUCT SPECIFICATIONS

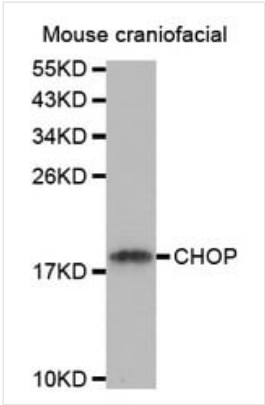
Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human DDIT3 / CHOP
Purity/Purification	Affinity purified
Form/Format	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Concentration	4.62mg/ml (varies by lot)
Sequence	GRTRKRKQSG HSPARAGKQR MKEKEQENER KVAQLAEENE RLKQEIERLT REVEATRRL IDRMVNLHQA
Sequence Length	169
Applicable Applications for anti-DDIT3 / CHOP antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	DDIT3/CHOP antibody was raised against a synthetic peptide corresponding to a sequence within amino acids 100 to the C-Terminus of human DDIT3 (NP_004074.2).
Immunogen Species	DDIT3/CHOP antibody was raised against Human
Antigen Type	Synthetic peptide
Usage	The predicted MW is 19kDa/21kDa, while the observed MW by Western blot was 26kDa.
Target Species	Human
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20 degree C Avoid freeze-thaw cycles.

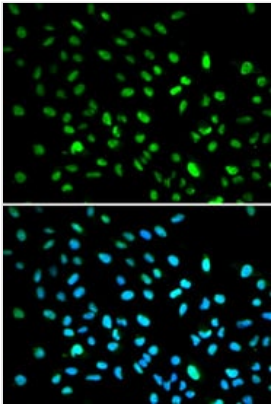
IMAGES



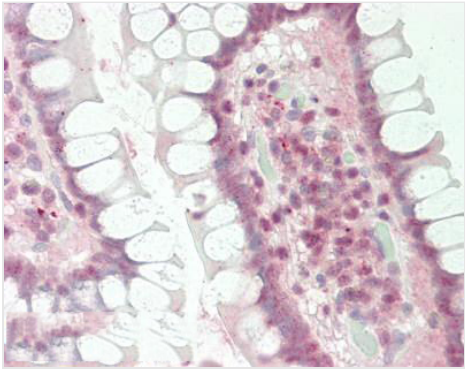
WB (Western Blot)
Western blot analysis of extracts of various cell lines.



WB (Western Blot)
Western blot analysis of extracts from mouse craniofacial tissue, using DDIT3 antibody.



IF (Immunofluorescence)
Immunofluorescence analysis of A549 cell using DDIT3 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-DDIT3 / CHOP antibody	DDIT3 Antibody, CHOP10 Antibody, DDIT-3 Antibody, CHOP Antibody, GADD153 Antibody, C/EBP zeta Antibody, C/EBP-homologous protein Antibody, C/EBP-homologous protein 10 Antibody, CHOP-10 Antibody Description: Multifunctional transcription factor in ER stress response. Plays an essential role in the response to a wide variety of cell stresses and induces cell cycle arrest and apoptosis in response to ER stress. Plays a dual role both as an inhibitor of CCAAT/enhancer-binding protein (C/EBP) function and as an activator of other genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361118
NCBI GeneID	1649
NCBI Accession #	NP_004074.2
NCBI GenBank Nucleotide #	NM_004083.5
UniProt Accession #	P35638; F8VS99
NCBI Official Full Name	DNA damage-inducible transcript 3 protein isoform 2
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://stage.aaabiotech.com/polyclonal/ddit3-chop-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/162218>