

Rabbit anti-Human, Mouse CHOP Polyclonal Antibody | anti-CHOP antibody

CHOP Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294485	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CHOP; Polyclonal Antibody; CHOP Polyclonal Antibody; DDIT3; CHOP10; GADD153; DNA damage-inducible transcript 3 protein; DDIT-3; C/EBP-homologous protein; C/EBP-homologous protein 10; CHOP-10; Growth arrest and DNA damage-inducible protein GADD153; anti-CHOP antibody

PRODUCT SPECIFICATIONS

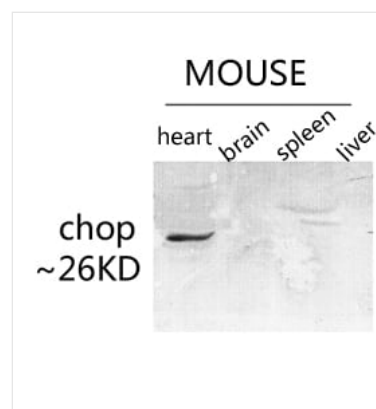
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-CHOP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cellular Location	Cytoplasm. Nucleus Note=Present in the cytoplasm under non-stressed conditions and ER stress leads to its nuclear accumulation
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

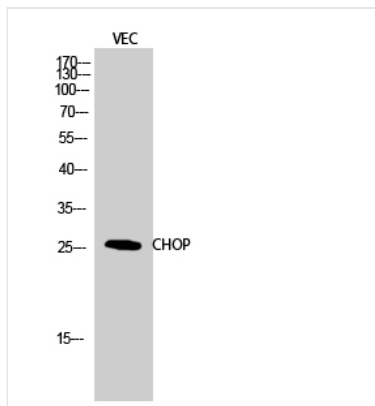
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.


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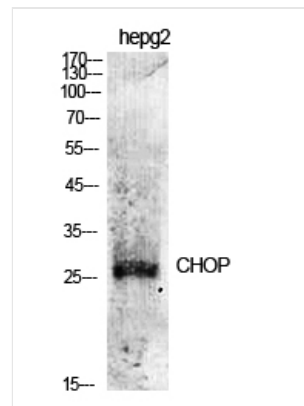
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ADDITIONAL INFORMATION

Related Product Information for anti-CHOP antibody

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. Acts as a dominant-negative regulator of C/EBP-induced transcription: dimerizes with members of the C/EBP family, impairs their association with C/EBP binding sites in the promoter regions, and inhibits the expression of C/EBP regulated genes. Positively regulates the transcription of TRIB3, IL6, IL8, IL23, TNFRSF10B/DR5, PPP1R15A/GADD34, BBC3/PUMA, BCL2L11/BIM and ERO1L. Negatively regulates; expression of BCL2 and MYOD1, ATF4-dependent transcriptional activation of asparagine synthetase (ASNS), CEBPA-dependent transcriptional activation of hepcidin (HAMP) and CEBPB-mediated expression of peroxisome proliferator-activated receptor gamma (PPARG). Inhibits the canonical Wnt signaling pathway by binding to TCF7L2/TCF4, impairing its DNA-binding properties and repressing its transcriptional activity. Plays a regulatory role in the inflammatory response through the induction of caspase-11 (CASP4/CASP11) which induces the activation of caspase-1 (CASP1) and both these caspases increase the activation of pro-IL1B to mature IL1B which is involved in the inflammatory response.

NCBI AND UNIPROT INFORMATION

NCBI GI #	304282234
NCBI GeneID	1649
NCBI Accession #	NP_001181986.1
NCBI GenBank Nucleotide #	NM_001195057.1
UniProt Accession #	P35638
Molecular Weight	19,175 Da
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; 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	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/chop-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/294485>