



DDIT3 Antibody

Product Code	CSB-PA006589LA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P35638
Immunogen	Recombinant Human DNA damage-inducible transcript 3 protein (1-169AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA,IHC;Recommended dilution:IHC:1:20-1:200
Relevance	<p>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.</p>
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%,Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	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,DDIT3,CHOP,CHOP10,GADD153
Species	Homo sapiens (Human)



Target Names

DDIT3