

Datasheet for ABIN7138755

anti-DDIT3 antibody (pSer30)





Overview

Overview	
Quantity:	100 μL
Target:	DDIT3
Binding Specificity:	pSer30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDIT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	Peptide sequence around phosphorylation site of serine30(V-L-S(p)-S-D) derived from Human
	CHOP.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH
	conjugates. Antibodies were purified by affinity-chromatography using epitope-specific
	phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi
Target Details	
Target:	DDIT3
Alternative Name:	DDIT3 (DDIT3 Products)

Target Details

Background:

Background:

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.

Ubeda M, Habener JF (2003) J Biol Chem 278, 40514-20

Aliases: C/EBP homologous protein antibody, C/EBP Homology Protein antibody, C/EBP zeta antibody, C/EBP-homologous protein 10 antibody, C/EBP-homologous protein antibody, CCAAT/enhancer binding protein homologous protein antibody, CEBPZ antibody, CHOP 10 antibody, CHOP antibody, CHOP-10 antibody, CHOP10 antibody, DDIT 3 antibody, DDIT-3 antibody, Ddit3 antibody, DDIT3_HUMAN antibody, DNA Damage Inducible Transcript 3 antibody, DNA damage-inducible transcript 3 protein antibody, GADD 153 antibody, Growth Arrest and DNA Damage Inducible Protein 153 antibody, Growth arrest and DNA damage inducible protein GADD153 antibody, Growth arrest and DNA damage-inducible protein GADD153 antibody, MGC4154 antibody

UniProt:

P35638

Pathways:

Regulation of Muscle Cell Differentiation, ER-Nucleus Signaling, Skeletal Muscle Fiber Development, Cell RedoxHomeostasis

Application Details

Application Notes: WB:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,

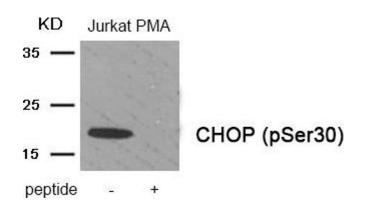
0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from Jurkat cells treated with PMA using Phospho-CHOP (Ser30) antibody. The lane on the right is treated with the antigenspecific peptide.