

## **Product Data Sheet**

**Purified anti-CHOP (GADD153)** 

Catalog # / Size:	643601 / 25 μl 643602 / 100 μl
Clone:	Poly6436
Isotype:	Rabbit Polyclonal
Immunogen:	Peptide
Reactivity:	Human
Preparation:	The antibody was purified by antigen-affinity chromatography.
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage:	Upon receipt, store frozen at -20°C.

## **Applications:**

Applications:	WB	
Recommended Usage:	Each lot of this antibody is quality control tested by Western blotting, suggested working dilution(s): Use 5 $\mu$ I per 5 ml ant buffer for each mini-gel. It is recommended that the reagent optimal performance for each application.	blotting. Western ibody dilution be titrated for
Application References:	1. Lee MS, et al. 2010. Infect Immun. PubMed	
Description:	CHOP (also known as growth arrest and DNA-damage-inducible protein GADD153) is a 27 kD member of the C/EBP transcription factor family containing a basic region involved in DNA binding and a leucine zipper domain. This nuclear protein functions as a dimer to inhibit the DNA-binding activity of C/EBP and LAP by forming heterodimers that cannot bind DNA target sequences. CHOP (GADD153) is induced by endoplasmic-reticulum stress and nutrient deprivation. Phosphorylation by p38-MAP kinase enhances activity of this protein while CK2 phosphorylation decreases activity. CHOP (GADD153) has been shown to interact with c-jun, c-fos, C/EBP, and LAP. The Poly6436 antibody has been shown to be useful for Western blotting of the human CHOP protein.	
Antigen References:	1. Ron D, et al. 1992. Genes Dev. 6:439. 2. Ubeda M, et al. 1999. Mol. Cell. Biol. 19:7589. 3. Ubeda M, et al. 2003. J. Biol. Chem. 278:40514.	
Related Products	<b>Product</b> HRP Donkey anti-rabbit IgG (minimal x-reactivity) Purified anti-CHOP (GADD153) Purified anti-C/EBP β <i>Purified anti-C/EBP</i> β (3 isoforms C/EBP β, LAP, LIP) Purified anti-c-Jun Purified anti-C/EBP β (2 isoforms C/EBP β, LAP)	<b>Clone</b> Poly4064 Poly6122 18F8 1H7 Poly6065 A16



ntibody was tested using uninduced . coli cell lysates (lane 1) or E. coli ell lysates induced with IPTG (lane ) to express CHOP. Total lysates vere resolved by electrophoresis, ansferred to nitrocellulose and robed with anto-CHOP antibody Poly6436) antibody. The proteins ere visualized using a donkey nti-rabbit secondary antibody onjugated to HRP and hemiluminescence detection.

Application FLISA, IHC, WB
WB
WB, ChIP, IP, IF
WB, ChIP, IP, IF
WB
WB



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