

For Research Use Only

CHOP; GADD153 Monoclonal antibody



Catalog Number: 60304-1-Ig **11 Publications**

Basic Information

Catalog Number: 60304-1-Ig	GenBank Accession Number: BC003637	Purification Method: Protein A purification
Size: 150ul , Concentration: 1400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1649	CloneNo.: 4D5A9
Source: Mouse	UNIPROT ID: P35638	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2a	Full Name: DNA-damage-inducible transcript 3	
Immunogen Catalog Number: AG7354	Calculated MW: 19 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Tunicamycin treated HeLa cells,
Cited Applications: WB, IF, IHC	
Species Specificity: human	
Cited Species: human, rat, mouse	

Background Information

CHOP, also known as GADD153 or DDIT3, is a highly conserved gene in both the structural and regulatory regions. Imposed by unfolded and misfolded proteins, CHOP is significantly induced by ER stress. CHOP is considered a proapoptotic marker of ER stress dependent cell death. CHOP acts as a dominant-negative inhibitor of the transcription factor C/EBP and LAP. It may play an important role in the malignant transformation of nevus to melanoma. The calculated molecular weight of CHOP is 19 kDa, but the protein migrates on an SDS-PAGE gel with an observed molecular mass of 29 kDa (PMID: 1547942).

Notable Publications

Author	Pubmed ID	Journal	Application
Yaoyao Bian	36121296	Pharm Biol	IF
Valeria Catena	27655709	Oncotarget	WB
Adrian Rivera-Reyes	30382078	Cell Death Dis	WB,IHC

Storage

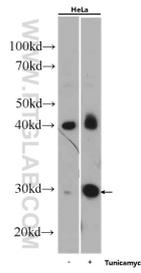
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Tunicamycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 60304-1-Ig (CHOP; GADD153 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.