For Research Use Only

CHOP; GADD153 Monoclonal antibody

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Catalog Number:66741-1-Ig 1 Publications

Basic Information

Catalog Number:
66741-1-Ig

Size:
150ul , Concentration: 1500 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG7354

GenBank Accession Number:
BC003637

GeneID (NCBI):
1649

Full Name:
DNA-damage-inducible transcript 3

Calculated MW:
19 kDa

Observed MW:
30 kDa

Purification Method:
Protein A purification

CloneNo.:
4F3G1

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human, mouse, rat

Cited Species:
shrew

Positive Controls:

WB : HSC-T6 cells, HepG2 cells, C6 cells, NIH/3T3 cells

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

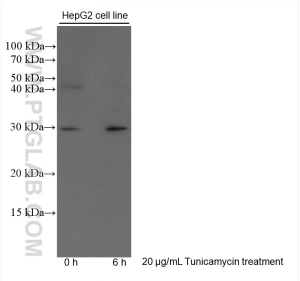
Author	Pubmed ID	Journal	Application
Xiao Zheng	34748795	Dev Comp Immunol	WB

Storage

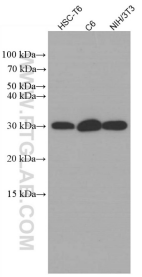
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Un-treated and Tunicamycin treated HepG2 lysates were subjected to SDS PAGE followed by western blot with 66741-1-Ig (CHOP; GADD153 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66741-1-Ig (CHOP; GADD153 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.