

For Research Use Only

CHOP/GADD153 Recombinant antibody

Catalog Number: 81462-1-RR



Basic Information

Catalog Number:

81462-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7354

GenBank Accession Number:

BC003637

GeneID (NCBI):

1649

UNIPROT ID:

P35638

Full Name:

DNA-damage-inducible transcript 3

Calculated MW:

19 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

1G11

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Tunicamycin treated HeLa cells, Tunicamycin treated Jurkat 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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

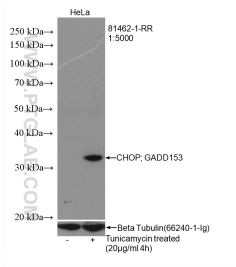
T: 4006900926

E: Proteintech-CN@ptglab.com

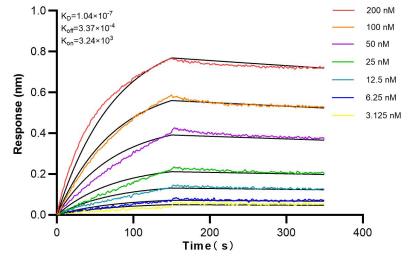
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Selected Validation Data



Untreated and tunicamycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 81462-1-RR (CHOP; GADD153 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 81462-1-RR against Human CHOP/GADD153 were performed. The affinity constant is 104 nM.