

For Research Use Only

CoraLite® Plus 488-conjugated CHOP; GADD153 Polyclonal antibody

Catalog Number: CL488-15204

Featured Product



Basic Information

Catalog Number:

CL488-15204

Size:

1000 µg/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:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : Tunicamycin treated HeLa 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

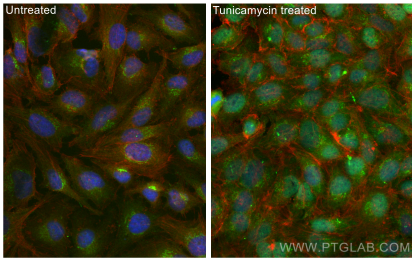
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Tunicamycin treated HeLa cells using CoraLite® Plus 488 CHOP; GADD153 antibody (CL488-15204) at dilution of 1:200, CL594-Phalloidin (red).