CHOP Polyclonal ANTIBODY

Catalog Number: 15204-1-AP

Basic Information

Catalog Number: 15204-1-AP
Size: 56 μg/150 μl
Source: Rabbit
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG7354

GenBank Accession Number: BC003637
GeneID (NCBI): 1649
Full Name: DNA damage inducible transcript 3
Isotype: IgG
Calculated MW: 19 kDa
Observed MW: 29 kDa

Recommended Dilutions:
WB: 1:200-1:1000
IHC: 1:50-1:200

Applications

Tested Applications: FC, IHC, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: human, mouse, rat

Cited Species: Hamster, human, mouse, rat

Recommended Dilutions:
WB: 1:200-1:1000
IHC: 1:50-1:200

Species Specificity:
human, mouse, rat

Positive Controls:
WB: Tunicamycin treated HeLa cells; HeLa cells, MCF-7 cells
IHC: human cervical cancer tissue; human breast cancer tissue

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

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<th>Author</th>
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<tbody>
<tr>
<td>Han Liao</td>
<td>26415619</td>
<td>Chem Biol Interact</td>
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<tr>
<td>Jun Shao</td>
<td>28950253</td>
<td>Cell Physiol Biochem</td>
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<tr>
<td>Xiaona Liu</td>
<td>28961540</td>
<td>Chemosphere</td>
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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

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Selected Validation Data

Immunohistochemical of paraffin-embedded human cervical cancer using 15204-1-AP (CHOP antibody) at dilution of 1:50 (under 40x lens).

Tunicamycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 15204-1-AP (CHOP antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

1X10^6 HeLa cells were stained with 0.2ug CHOP antibody (15204-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit (H+L) with dilution 1:1000.