

For Research Use Only

# GADD45A Polyclonal antibody

Catalog Number: 13747-1-AP

Featured Product

13 Publications



## Basic Information

Catalog Number:

13747-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4687

GenBank Accession Number:

BC011757

GeneID (NCBI):

1647

UNIPROT ID:

P24522

Full Name:

growth arrest and DNA-damage-inducible, alpha

Calculated MW:

165 aa, 18 kDa

Observed MW:

18 kDa, 33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human, rat, mouse

Positive Controls:

WB : HEK-293 cells,

## Background Information

GADD45A, also named as DDIT1 and GADD45, belongs to the GADD45 family. It binds to proliferating cell nuclear antigen. GADD45A may affect PCNA interaction with some CDK (cell division protein kinase) complexes; stimulates DNA excision repair in vitro and inhibits entry of cells into S phase. GADD45A plays an essential role in active DNA demethylation during terminal osteogenic differentiation of adipose-derived mesenchymal stem cells. GADD45A has Dimer (~28-36 kDa) and Monomer (14-18 kDa) forms (PMID:11498536).

## Notable Publications

Author	Pubmed ID	Journal	Application
Na Han	31571910	Onco Targets Ther	WB
Yanjie Wang	30640591	Bosn J Basic Med Sci	WB
Shan Peng	32549761	Int J Biol Sci	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:

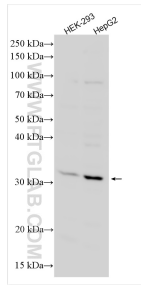
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13747-1-AP (GADD45A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.