

For Research Use Only

# GADD45A Polyclonal antibody

Catalog Number: 13747-1-AP

Featured Product

13 Publications



## Basic Information

<b>Catalog Number:</b> 13747-1-AP	<b>GenBank Accession Number:</b> BC011757	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1647	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> growth arrest and DNA-damage-inducible, alpha	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 165 aa, 18 kDa	
<b>Immunogen Catalog Number:</b> AG4687	<b>Observed MW:</b> 18 kDa, 33 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, rat, mouse	

## 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

\*\*\* 20ul sizes contain 0.1% BSA

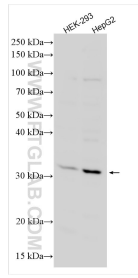
For technical support and original validation data for this product please contact:

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

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.