

For Research Use Only

GADD45A Polyclonal antibody

Catalog Number: 13747-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:
13747-1-AP

Size:
150ul, Concentration: 233 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4687

GenBank Accession Number:
BC011757

GeneID (NCBI):
1647

Full Name:
growth arrest and DNA-damage-inducible, alpha

Calculated MW:
165 aa, 18 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

Applications

Tested Applications:
IP, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Positive Controls:

WB: rat lung tissue, A549 cells, COLO 320 cells, mouse lung tissue, mouse spleen tissue, PC-13 cells

IP: K-562 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

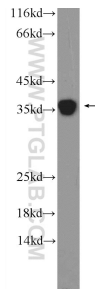
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

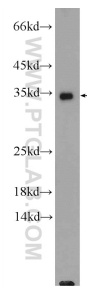
E: proteintech@ptglab.com
W: ptglab.com

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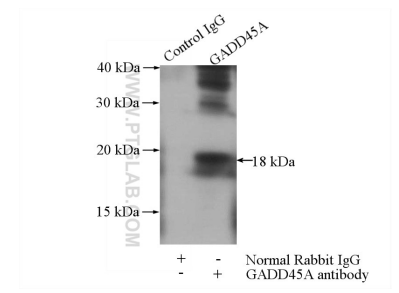
Selected Validation Data



rat lung tissue were subjected to SDS PAGE followed by western blot with 13747-1-AP (GADD45A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



PC-13 cells were subjected to SDS PAGE followed by western blot with 13747-1-AP (GADD45A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-GADD45A (IP:13747-1-AP, 4ug; Detection:13747-1-AP 1:500) with K-562 cells lysate 3200ug.