

A13487

Leader in Biomolecular Solutions for Life Science



GADD45A Rabbit pAb

Catalog No.: A13487

1 Publications

Basic Information

Observed MW

22kDa

Calculated MW

18kDa

Category

Mouse Monoclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:500
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

1647

Swiss Prot

P24522

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 60-160 of human GADD45A (NP_001915.1).

Synonyms

DDIT1; GADD45; GADD45A

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

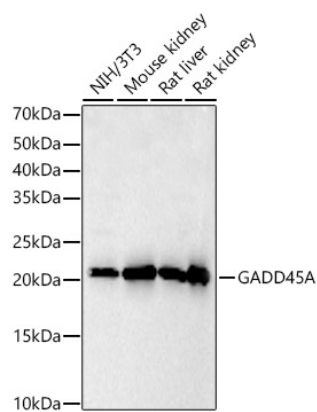
Affinity purification

Storage

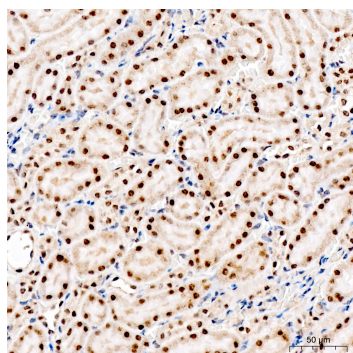
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

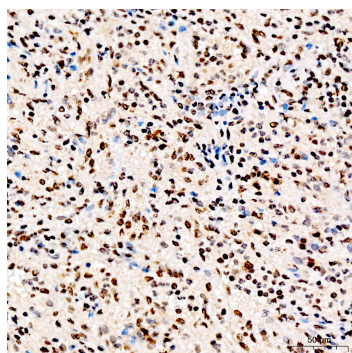
Validation Data



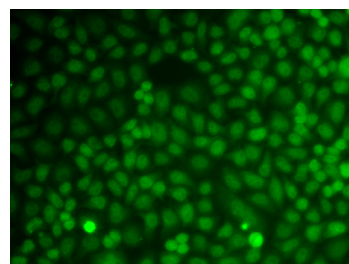
Western blot analysis of various lysates using GADD45A Rabbit pAb (A13487) at 1:600 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Immunohistochemistry analysis of GADD45A in paraffin-embedded rat kidney tissue using GADD45A Rabbit pAb (A13487) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GADD45A in paraffin-embedded human spleen tissue using GADD45A Rabbit pAb (A13487) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of A549 cells using GADD45A Rabbit pAb (A13487). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution.