

# GADD45A Rabbit pAb

Catalog No.: A13487 **1 Publications**

## Basic Information

**Observed MW**

22kDa

**Calculated MW**

18kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P, IF/ICC

**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

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:100 - 1:500
<b>IF/ICC</b>	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](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

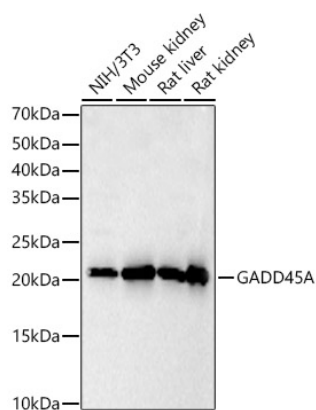
Affinity purification

**Storage**

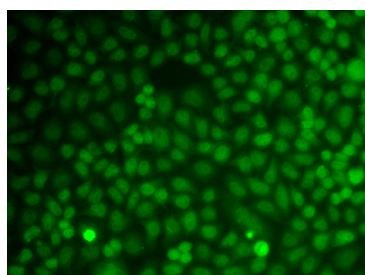
Store at -20°C. Avoid freeze / thaw cycles.

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

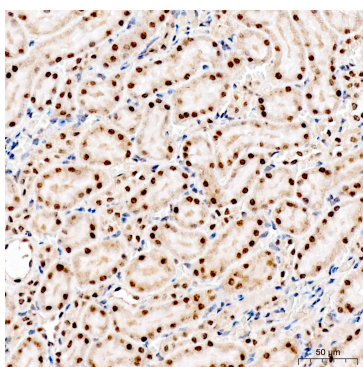
## Validation Data



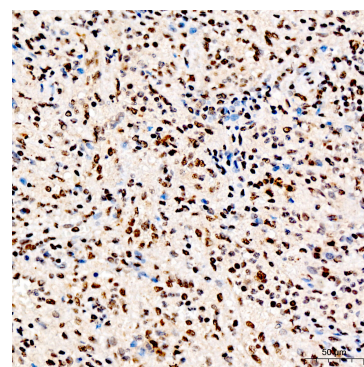
Western blot analysis of various lysates using GADD45A Rabbit pAb (A13487) at 1:600 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020). 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



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



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.