

## GADD45A Antibody (R32429)

Catalog No.	Formulation	Size
R32429	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P24522
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml
<b>Limitations</b>	This GADD45A antibody is available for research use only.



Western blot testing of human MCF7 cell lysate with GADD45A antibody. Expected molecular weight: 14-18 kDa (monomer) and 28-36 kDa (dimer).

## Description

Growth arrest and DNA-damage-inducible protein GADD45 alpha (GADD45A) is a protein that in humans is encoded by the GADD45A gene. 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. It is located on 1p34-p12. Sequence analysis of human and hamster cDNA clones demonstrated that the gene has been highly conserved and encodes a novel 165-amino acid polypeptide. Northern blot analysis detected moderate expression of a 1.4-kb GADD45A transcript in heart, skeletal muscle, and kidney, with little or no expression in brain, placenta, lung, liver, and pancreas. In addition, Gadd45a promotes epigenetic gene activation by repair-mediated DNA demethylation.

## Application Notes

Optimal dilution of the GADD45A antibody should be determined by the researcher.

## Immunogen

Amino acids VLVTNPHSSQWKDPALSQLICFCRESRYMDQWVPVINLPER were used as the immunogen for the GADD45A antibody.

## Storage

After reconstitution, the GADD45A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.