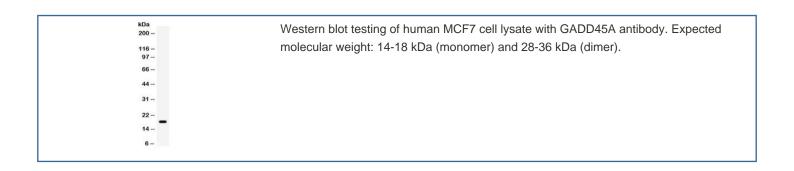


# GADD45A Antibody (R32429)

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

#### **Bulk quote request**

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



## **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.