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
Host	Rabbit
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.



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.

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