

For Research Use Only

GADD45GIP1 Recombinant antibody



Catalog Number: 83823-5-RR

Basic Information

Catalog Number:

83823-5-RR

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9299

GenBank Accession Number:

BC013027

GeneID (NCBI):

90480

UNIPROT ID:

Q8TAE8

Full Name:

growth arrest and DNA-damage-inducible, gamma interacting protein 1

Calculated MW:

222 aa, 25 kDa

Observed MW:

25-28 kDa

Purification Method:

Protein A purification

CloneNo.:

240947D1

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: SKOV-3 cells, Jurkat cells, U-251 cells

Background Information

Growth arrest and DNA-damage-inducible proteins-interacting protein 1 (GADD45GIP1), also known as CRIF1, is newly identified de novo components in large subunit of mitoribosome. It is essential for the translation of mitochondrial oxidative phosphorylation (OXPHOS) polypeptides in mammalian mitochondria. The essential role of CRIF1 in mitochondrial synthesis and membrane integration of OXPHOS polypeptides was shown in brain-specific CRIF1-deficient mice, which exhibited profound OXPHOS failure and marked neurodegeneration. (PMID 22819524) In addition, GADD45GIP1 enhances the function of GADD45 in maintaining genome stability, DNA repair and cell cycle regulation by interacting with the GADD45 protein family. It's reported that GADD45GIP1 may be induced by p53, a process that is closely related to the cell's response to DNA damage. (PMID:28599472)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

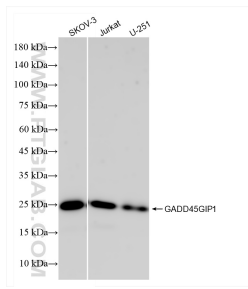
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83823-5-RR (GADD45GIP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.