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EB08299 - Goat Anti-GADD45gamma (aa 18 to 28) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: growth arrest and DNA-damage-inducible, gamma, CR6, DDIT2, GADD45gamma, GRP17, GADD45-gamma, gadd-related protein, 17 kD, growth arrest and DNA-damage-inducible gamma
Official Symbol: GADD45G
Accession Number(s): NP_006696.1
Human GeneID(s): 10912
Non-Human GeneID(s): 23882 (mouse), 291005 (rat)

Immunogen

Peptide with sequence C-RMQGAGKALHE, from the internal region of the protein sequence according to NP_006696.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Preliminary testing showed a band at approx 23kDa in lysate of cell line A549 and in Human Prostate and Testes lysate at a concentration of 0.5-1ug/ml (calculated Mwt.of 17.1kDa according to NP_006696.1). This molecular weight is observed by other sources. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei of HeLa and A549 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Cow

EB08299 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB08299 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB08299 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.