

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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.

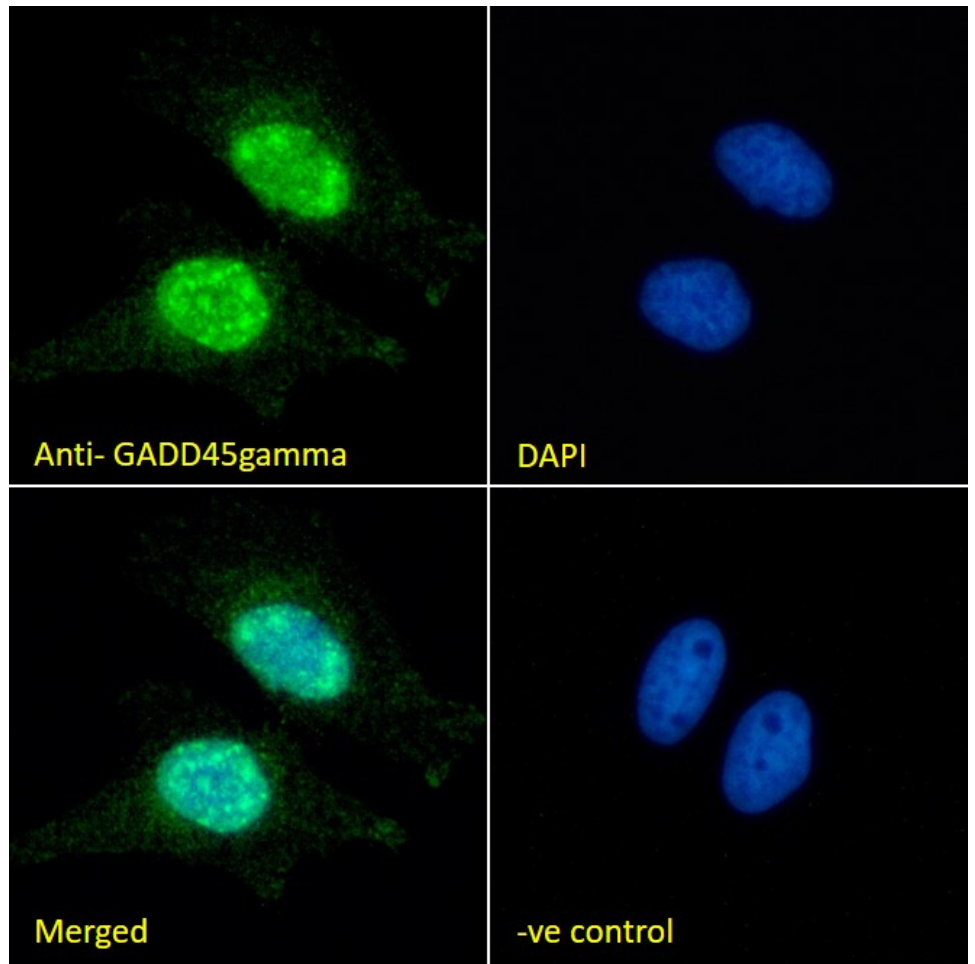
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of HeLa and A549 cells. Recommended concentration: 10µg/ml.

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

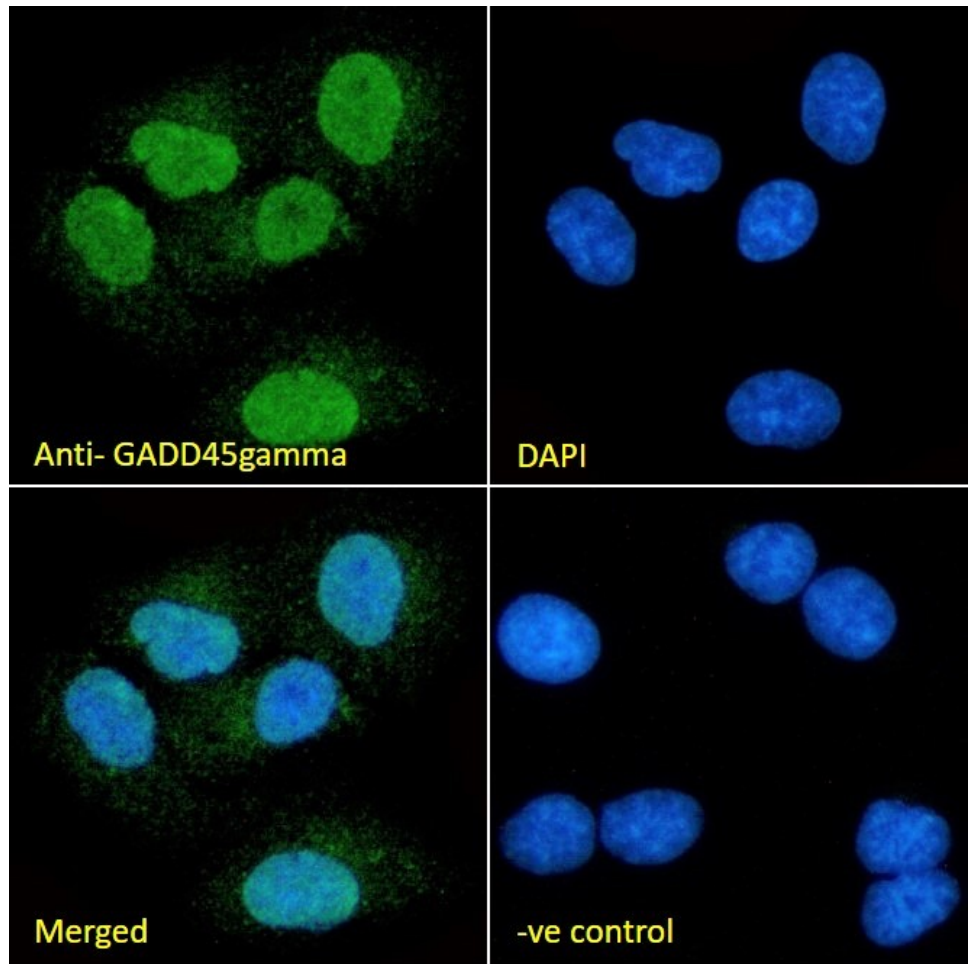
### Species Reactivity

**Tested:** Human

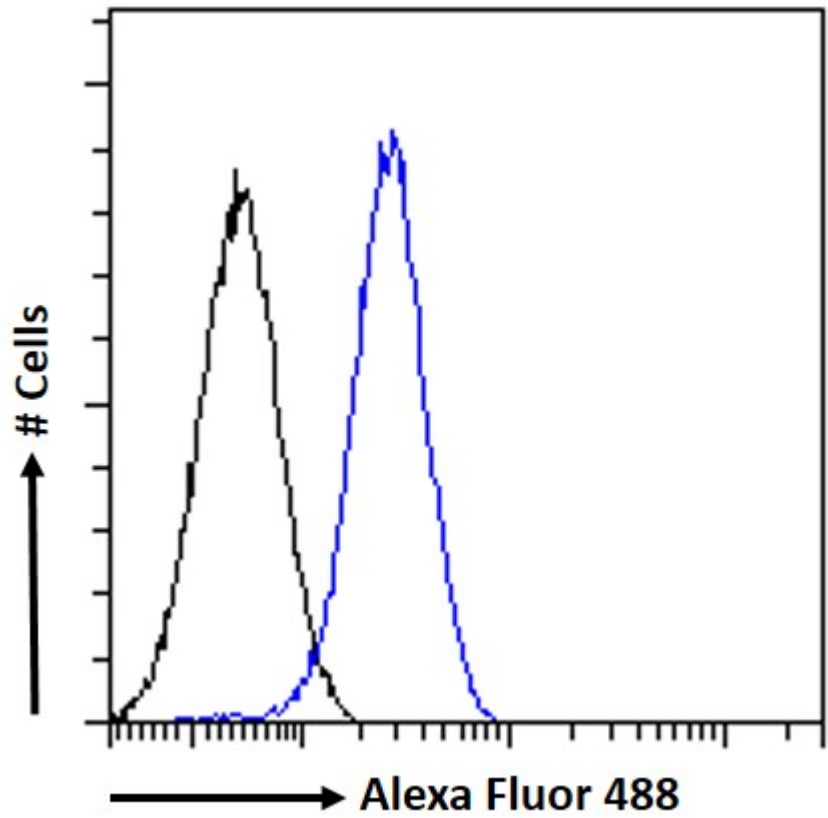
**Expected from sequence similarity:** Human, Mouse, Rat, Cow



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.