Datasheet for ABIN334406

anti-GADD45G antibody (Internal Region)

3 Images

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Overview

Quantity:	100 µg
Target:	GADD45G
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GADD45G antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	GADD45gamma (aa 18 to 28)
Immunogen:	Peptide with sequence C-RMQGAGKALHE, from the internal region of the protein sequence according to NP_006696.1.
Sequence:	RMQGAGKALH E
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	GADD45G
Alternative Name:	GADD45G (GADD45G Products)
Background:	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
Gene ID:	10912, 23882, 291005
NCBI Accession:	NP_006696
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Western Blot: Preliminary testing showed a band at approx 23 kDa in lysate of cell line A549 and in Human Prostate and Testes lysate at a concentration of 0.5-1 µg/mL (calculated Mwt.of 17.1 kDa according to NP_006696.1). This molecular weight is observed b Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	**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: 10u
Restrictions:	For Research Use only

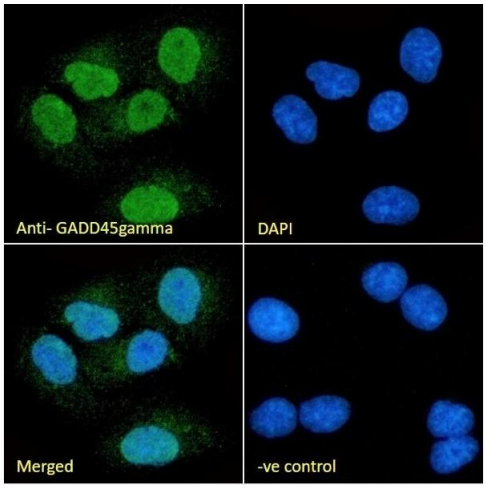
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

Handling

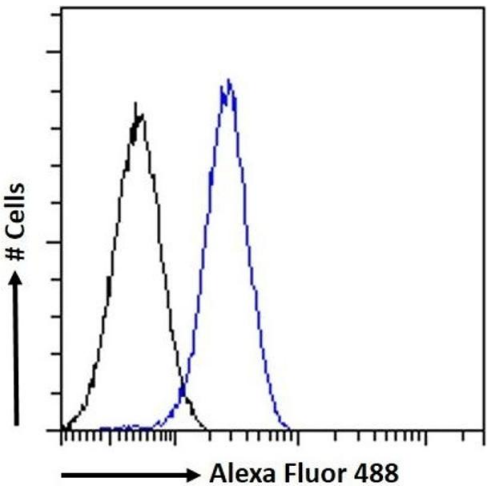
at 4°C for a few weeks and still remain viable.

Images



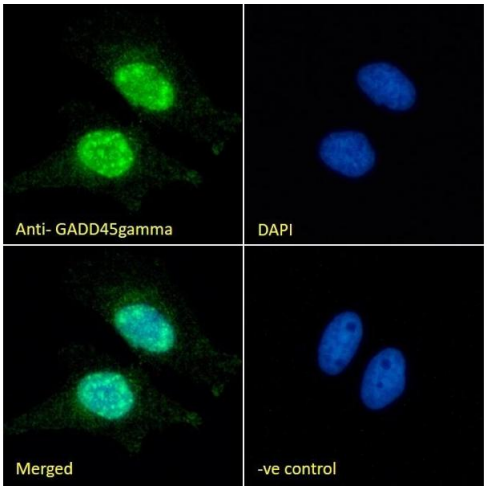
Immunofluorescence

Image 1. (ABIN334406) Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).



Flow Cytometry

Image 2. (ABIN334406) Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunofluorescence

Image 3. (ABIN334406) Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).