

GADD45B Rabbit pAb

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Catalog # AP52049

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O75293
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17818
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GADD45B.
Epitope Specificity	81-160/160
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK.

Additional Information

Gene ID	4616
Other Names	Growth arrest and DNA damage-inducible protein GADD45 beta, Myeloid differentiation primary response protein MyD118, Negative growth regulatory protein MyD118, GADD45B, MYD118
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug /Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GADD45B
Synonyms	MYD118

Function

Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK.

Background

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References

Sakaue M.,et al.Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.

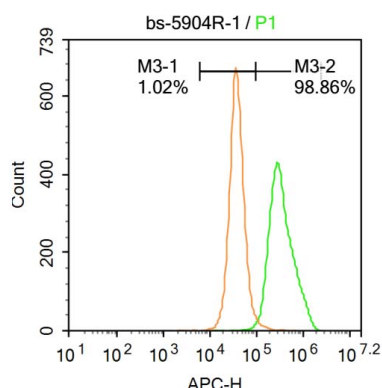
Takekawa M.,et al.Cell 95:521-530(1998).

Gong R.,et al.Cytogenet. Cell Genet. 88:95-96(2000).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Grimwood J.,et al.Nature 428:529-535(2004).

Images



Blank control:A431.

Primary Antibody (green line): Rabbit Anti-GADD45B antibody (AP52049)

Dilution: 1 µg /10⁶ cells;

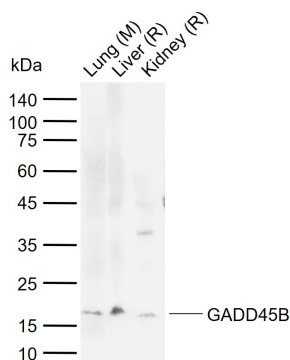
Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: 1 µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Sample:

Lane 1: Mouse Lung tissue lysates

Lane 2: Rat Liver tissue lysates

Lane 3: Rat Kidney tissue lysates

Primary: Anti-GADD45B (AP52049) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

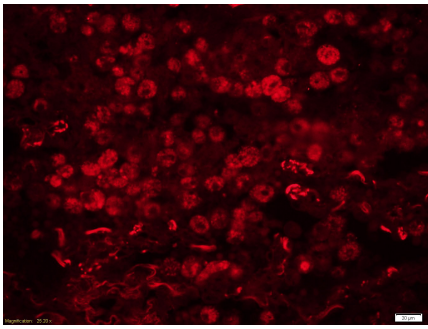
Predicted band size: 18 kDa

Observed band size: 18 kDa

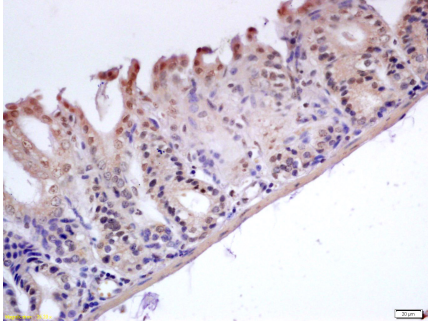
Tissue/cell: human lung carcinoma;4%

Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;



Incubation: Anti-GADD45B Polyclonal Antibody, Unconjugated(AP52049) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(AP52049-Cy3)used at 1:200 dilution for 40 minutes at 37°C.



Tissue/cell: mouse stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GADD45B Polyclonal Antibody, Unconjugated(AP52049) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.