



Rabbit Anti-GADD45B antibody

SL5904R

Product Name:	GADD45B
Chinese Name:	生长抑制DNA损伤基因GADD45 β 抗体
Alias:	GA45B_HUMAN; GADD45 Beta; Gadd45b; GADD45BETA; Growth arrest and DNA damage inducible 45 beta; Growth arrest and DNA damage inducible beta; Growth arrest and DNA damage-inducible protein GADD45 beta; Growth arrest and DNA-damage-inducible protein GADD45 beta; MYD118; Myeloid differentiation primary response gene; Myeloid differentiation primary response protein MyD118; Negative growth regulatory protein MyD118; Negative growth-regulatory protein MyD118.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Dog, Pig, Cow, Horse, Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GADD45B.:81-160/160
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK.

Function:

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

Subunit:

Interacts with GADD45GIP1.

Similarity:

Belongs to the GADD45 family.

SWISS:

O75293

Gene ID:

4616

Database links:

[Entrez Gene: 4616](#)Cow

[Entrez Gene: 4616](#)Human

[Entrez Gene: 17873](#)Mouse

[Entrez Gene: 299626](#)Rat

[Omim: 604948](#)Human

[SwissProt: Q5E9A5](#)Cow

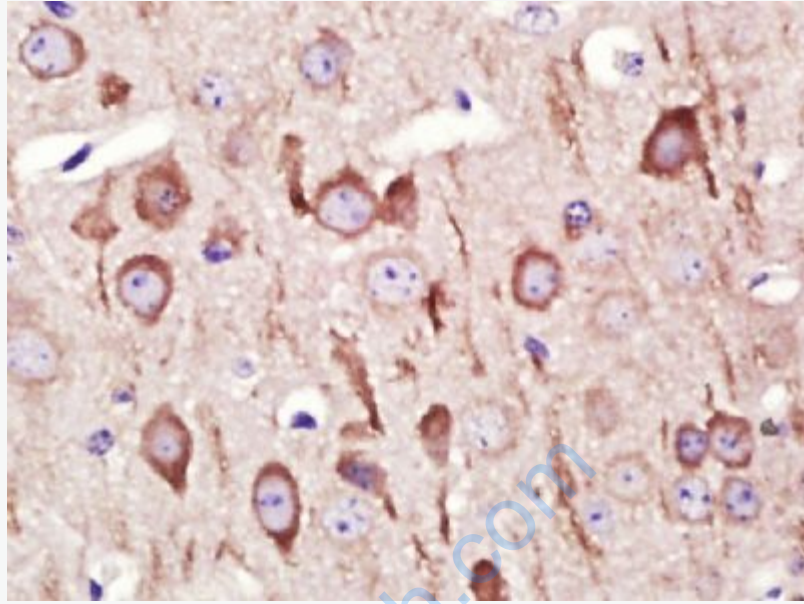
[SwissProt: O75293](#)Human

[SwissProt: P22339](#)Mouse

Important Note:

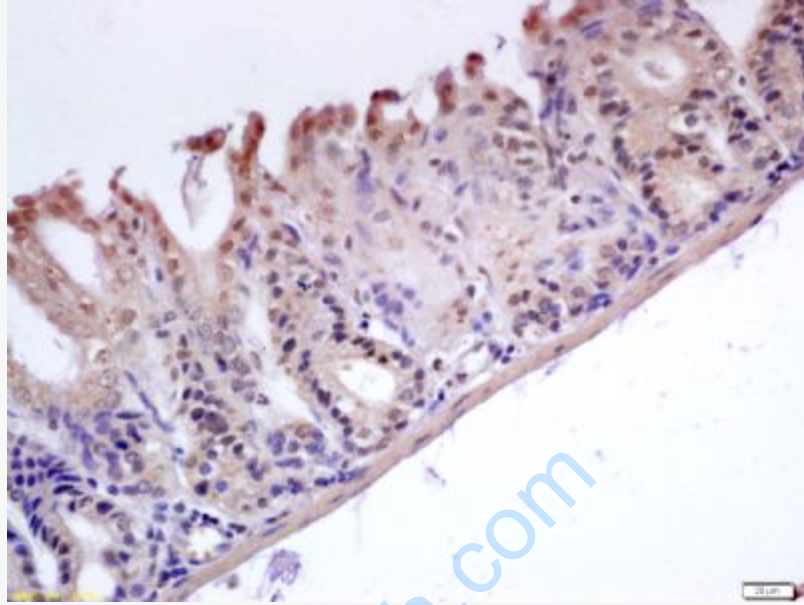
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GADD45 β ; GADD45 β ; GADD45- β .



Picture:

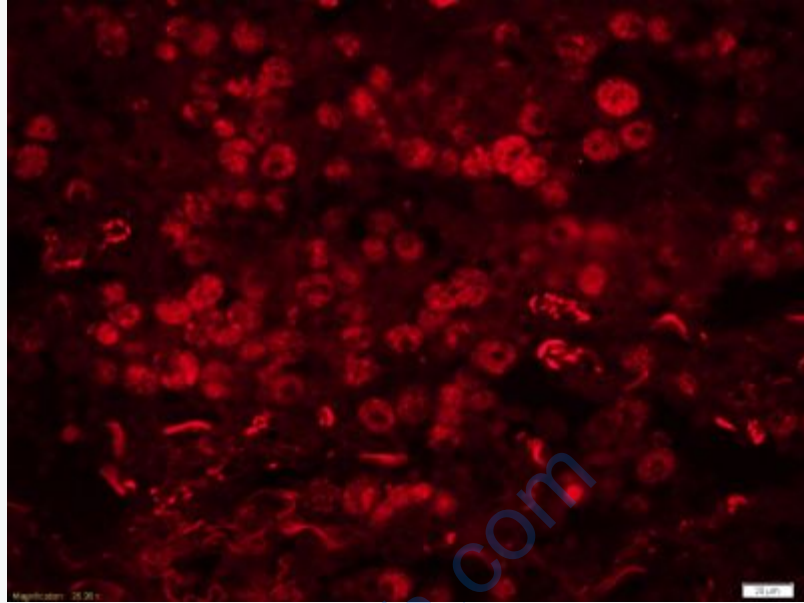
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GADD45B) Polyclonal Antibody, Unconjugated (SL5904R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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(SL5904R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

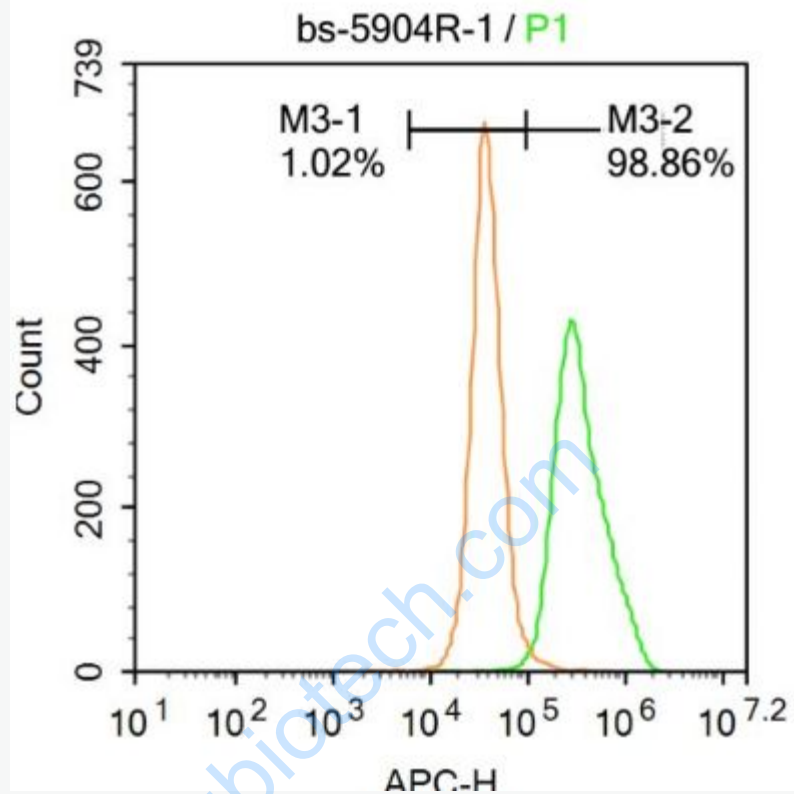


Tissue/cell: human lung carcinoma;4% Paraformaldehyde-fixed and paraffin-embedded;

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(SL5904R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL5904R)used at 1:200 dilution for 40 minutes at 37°C.



Blank control:A431.

Primary Antibody (green line): Rabbit Anti-GADD45B antibody (SL5904R)

Dilution: $1\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: $1\mu\text{g} / \text{test}$.

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 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.

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