



Rabbit Anti-GADD45G antibody

SL7069R

Product Name:	GADD45G
Chinese Name:	生长抑制DNA损伤基因45γ抗体 GADD45γ
Alias:	GADD45 gamma; Cytokine responsive protein CR6; Cytokine-responsive protein CR6; DDIT-2; DDIT2; DNA damage-inducible transcript 2 protein; GA45G_HUMAN; Gadd45g; GADD45G; Growth arrest and DNA damage inducible gamma; Growth arrest and DNA damage-inducible protein GADD45 gamma; GRP17.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	17kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GADD45 gamma:101-159/159
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:	This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The GADD45G is highly

expressed in placenta.

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:

O95257

Gene ID:

10912

Database links:

[Entrez Gene: 504939](#) Cow

[Entrez Gene: 10912](#) Human

[Entrez Gene: 291005](#) Rat

[Omim: 604949](#) Human

[SwissProt: Q2KIX1](#) Cow

[SwissProt: O95257](#) Human

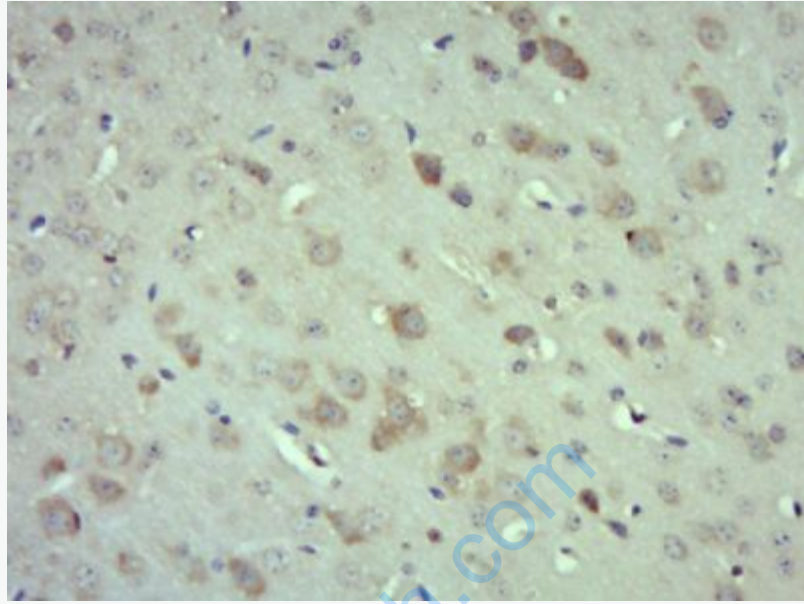
[SwissProt: Q9WTQ7](#) Rat

[Unigene: 9701](#) Human

[Unigene: 16950](#) Rat

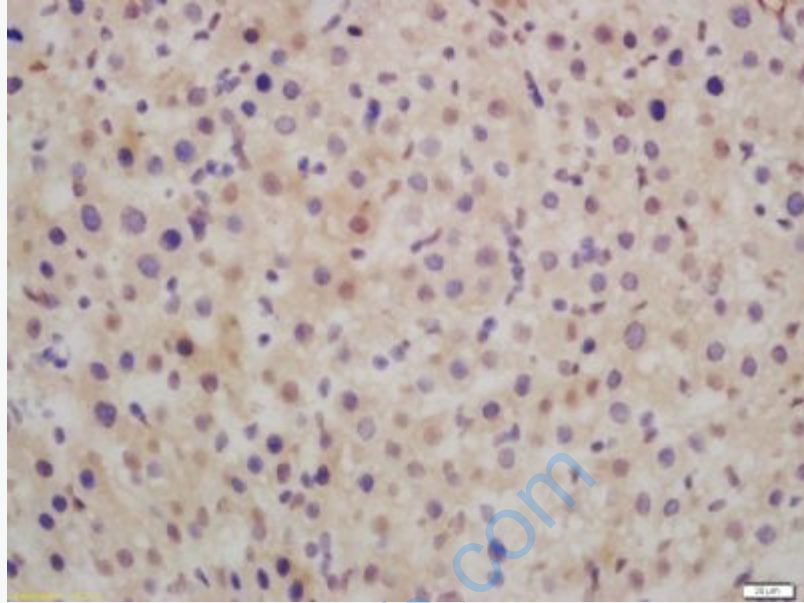
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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 (GADD45G) Polyclonal Antibody, Unconjugated (SL7069R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat liver 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-GADD45G Polyclonal Antibody, Unconjugated(SL7069R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining