

## Anti-GADD45B Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse, Guinea Pig)
Molecular Weight:	Theoretical: 18 kDa. Actual: 18 kDa.
Purification:	Protein A purified

### Applications

1. Blank control: A431. Primary Antibody (green line): Rabbit Anti-GADD45B antibody (TMAB-00734)  
Dilution: 1 µg/10<sup>6</sup> 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 (10 min 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.

2. Tissue/cell: mouse stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-GADD45B Polyclonal Antibody, Unconjugated (TMAB-00734) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

#### Verified Activity:

3. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-GADD45B Polyclonal Antibody, Unconjugated (TMAB-00734) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.

4. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GADD45B) Polyclonal Antibody, Unconjugated (TMAB-00734) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

#### 5. Sample:

Lane 1: Mouse Lung tissue lysates

Lane 2: Rat Liver tissue lysates

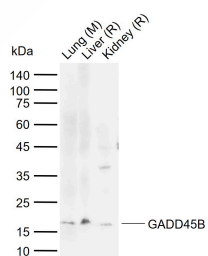
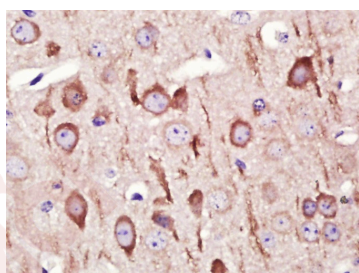
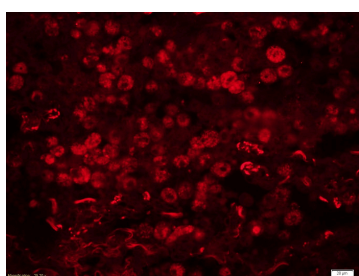
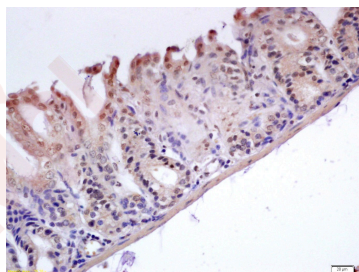
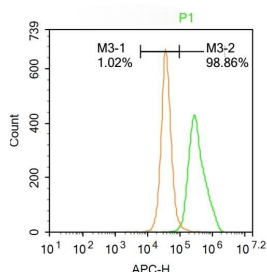
Lane 3: Rat Kidney tissue lysates

Primary: Anti-GADD45B (TMAB-00734) at 1/1000 dilution

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

Predicted band size: 18 kDa

Observed band size: 18 kDa



Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/Test

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GADD45B.  
Antigen Species: Human  
Gene ID: 4616  
Uniprot ID: O75293  
Synonyms: Negative Growth Regulatory Protein MyD118;MYD118;Growth Arrest and DNA Damage-Inducible Protein GADD45  $\beta$ ;Myeloid Differentiation Primary Response Protein MyD118;Growth Arrest and DNA Damage-Inducible Protein GADD45 Beta;GADD45B  
Biology Area: Cell survival & death,Associated Proteins,DNA Damage Response,Autoimmune,MAPK Pathway

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### Research Background

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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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