

Anti-HMGB1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 25 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat stomach); 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 (HMGB1) Polyclonal Antibody, Unconjugated (TMAB-00871) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

2. Blank control: HL-60. Primary Antibody (green line): Rabbit Anti-HMGB1 antibody (TMAB-00871)

Dilution: 1 µg/10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-AF488

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.

Verified Activity:

3. This image was generously provided by Juanli Fu, at Southwest University in Chong Qing, China. 4% Paraformaldehyde fixed PC12 cells stained with Rabbit Anti-HMGB1 Polyclonal Antibody (TMAB-00871) at 1:300 for 3 hours at 4°C, followed by Rhodamine-conjugated secondary antibody for an additional hour.

4. Blank control (blue line): MCF7 (fixed with 80% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice).

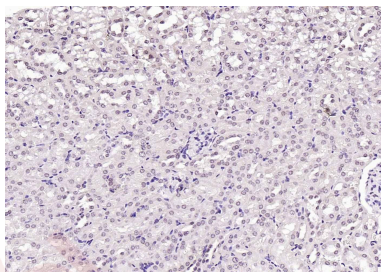
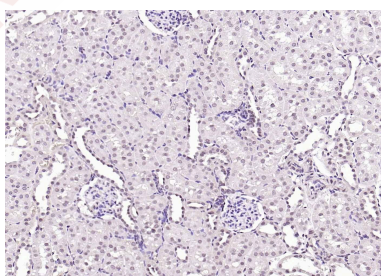
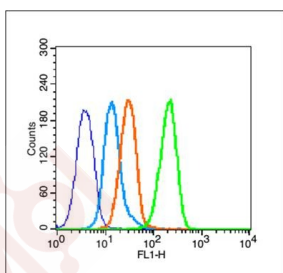
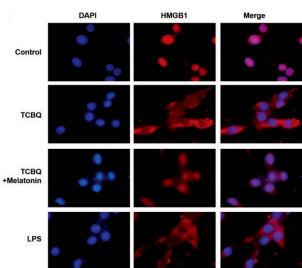
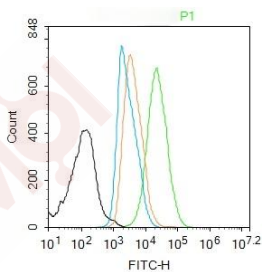
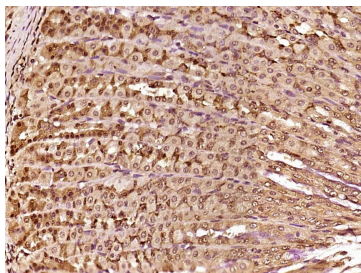
Primary Antibody (green line): Rabbit Anti-HMGB1 antibody (TMAB-00871), Dilution: 1 µg/10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1 µg/test.

5. Paraformaldehyde-fixed, paraffin embedded (rat kidney); 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; Incubation with (HMGB1) Polyclonal Antibody, Unconjugated (TMAB-00871) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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; Incubation with (HMGB1) Polyclonal Antibody, Unconjugated (TMAB-00871) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Application: FCM, ICC/IF, IF, IHC-Fr, IHC-P

Recommended FCM=1 µg/Test; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

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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: mouse HMGB1

Antigen Species: Mouse

Gene ID: 100862258

Synonyms: HMG-1;SBP-1;HMGB1;HMG3;HMG1

Biology Area: HMGs,HMG Box,SARS Coronavirus,hmgb1

Research Background

High Mobility Group Box-1 (HMGB1) is a cytokine implicated in the pathogenesis of rheumatoid arthritis (RA) and other inflammatory diseases. The cholinergic anti-inflammatory pathway, a vagus nerve dependent mechanism, inhibits HMGB1 release in experimental disease models

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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