

## Anti-MST1 Polyclonal Antibody

## Product Details

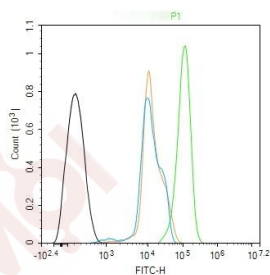
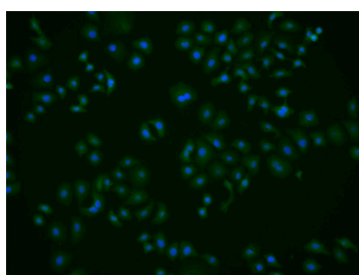
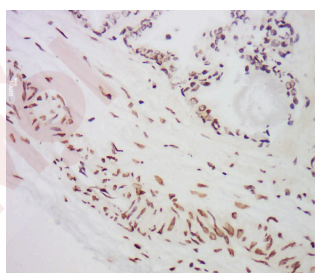
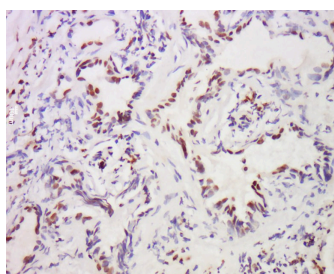
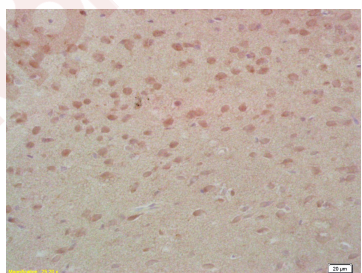
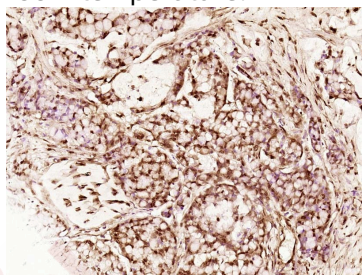
Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 56 kDa.
Purification:	Protein A purified

## Applications

1. Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); 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 (MST1) Polyclonal Antibody, Unconjugated (TMAB-01171) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Tissue/cell: Rat brain; 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-MST1 Polyclonal Antibody, Unconjugated (TMAB-01171) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Tissue/cell: Human laryngeal carcinoma; 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-MST1 Polyclonal Antibody, Unconjugated (TMAB-01171) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
4. Tissue/cell: Human prostate 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-MST1 Polyclonal Antibody, Unconjugated (TMAB-01171) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
5. HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (MST1) polyclonal Antibody, Unconjugated (TMAB-01171) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
6. Blank control (black line): HepG2. Primary Antibody (green line): Rabbit Anti-MST1 antibody (TMAB-01171)  
Dilution: 2 µg/Test;  
Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC  
Dilution: 0.5 µg/Test.  
Isotype control (orange line): Normal Rabbit IgG  
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

Verified Activity:

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.



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

Recommended FCM=2 µg/Test; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

### Properties

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

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MST1 Cterminus

Antigen Species: Human

Gene ID: 6789

Uniprot ID: Q13043

Synonyms: MST1;YSK3;serine/threonine kinase 4;KRS2;TIIAC

Biology Area: Apoptosis,Hypertrophy,Other Kinases

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### Research Background

The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and it's possible that this protein induces the chromatin condensation observed in this process. [provided by RefSeq, Jul 2008]

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