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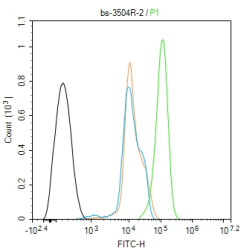
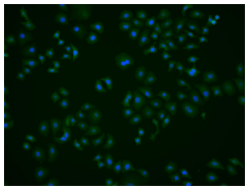
MST1 Rabbit pAb

Catalog Number:	bs-3504R
Target Protein:	MST1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (2ug/Test), ICC/IF (1:25)
Reactivity:	Human, Rat (predicted:Mouse, Rabbit, Cow, Dog, Horse)
Predicted MW:	56 kDa
Entrez Gene:	6789
Swiss Prot:	Q13043
Source:	KLH conjugated synthetic peptide derived from human MST1 Cterminus: 385-487/487.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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]

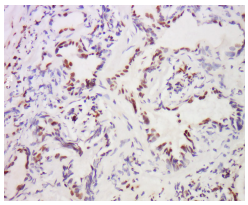
VALIDATION IMAGES



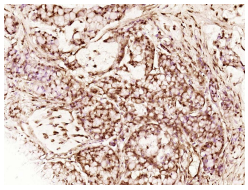
Blank control（black line）:HepG2. Primary Antibody (green line): Rabbit Anti-MST1 antibody (bs-3504R) Dilution:2ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min 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.



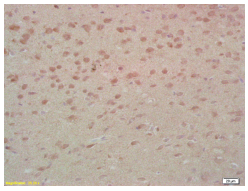
HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (MST1) polyclonal Antibody, Unconjugated (bs-3504R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



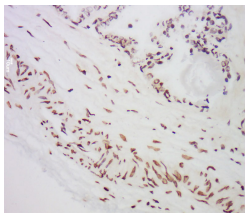
Tissue/cell: Human laryngeal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MST1 Polyclonal Antibody, Unconjugated(bs-3504R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); 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 (MST1) Polyclonal Antibody, Unconjugated (bs-3504R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: Rat brain; 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-MST1 Polyclonal Antibody, Unconjugated(bs-3504R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Human prostate 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-MST1 Polyclonal Antibody, Unconjugated(bs-3504R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=11.685] Hui Wang. et al. MST1 mediates neuronal loss and cognitive deficits: A novel therapeutic target for Alzheimer’s disease. PROG NEUROBIOL. 2022 Jul;214:102280 WB ; Mouse . 35525373

[IF=5.5] Li Lin. et al. GPR137 inactivates Hippo signaling to promote gastric cancer cell malignancy. BIOL DIRECT. 2024 Dec;19(1):1-16 WB,CoIP ; Human . 38163861

[IF=4.5] Shouying Xu. et al. ARID1A restrains EMT and stemness of ovarian cancer cells through the Hippo pathway. INT J ONCOL. 2024 Aug;65(2):1-11 WB ; Human . 38873993

[IF=4.174] Zhao, Boyuan. et al. Shear stress regulates the migration of suspended breast cancer cells by nuclear lamina protein A/C and large tumor suppressor through yes-associated protein. Hum Cell. 2022 Jan;:1-16 WB ; Human . 34984662

[IF=2.4] Yang Xi. et al. circ0005027 Acting as a ceRNA Affects the Malignant Biological Behavior of Hypopharyngeal Squamous Cell Carcinoma by Modulating miR-548c-3p/CDH1 Axis. BIOCHEM GENET. 2023 Nov;:1-16 WB ; Human . 38019338