bs-3294R **[Primary Antibody]**

phospho-Mst1(Thr183) + Mst2(Thr180) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6789 **SWISS:** Q13043

Target: Mst1(Thr183) + Mst2(Thr180)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Mst1 around the phosphorylation site of Thr183: RN(p-T)VI.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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]

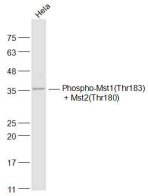
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Cow, Chicken, Dog, Horse)

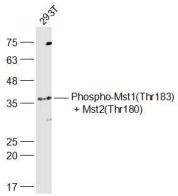
Predicted MW.: 19/37/56 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Hela(Human) Cell Lysate at 30 ug
Primary: Anti-Phospho-Mst1(Thr183) + Mst2(Thr180) (bs-3294R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19/37/56 kD Observed band size: 37 kD



Sample: 293T(Human) Cell Lysate at 30 ug
Primary: Anti-Phospho-Mst1(Thr183) + Mst2(Thr180) (bs-3294R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19/37/56 kD Observed band size: 37 kD

SELECTED CITATIONS

- **[IF=10.317]** Qi Yang. et al. A novel biodegradable external stent regulates vein graft remodeling via the Hippo-YAP and mTOR signaling pathways. Biomaterials. 2020 Nov;258:120254 WB ;Rat. 32805499
- **[IF=5.589]** Gao R et al. PM2.5-associated nitro-PAH exposure promotes tumor cell metastasis through Hippo-YAPmediated transcriptional regulation. Sci Total Environ. 2019 Aug 15;678:611-617. WB ;Human. 31078851
- **[IF=5]** Seoyoung Choi. et al. Protective effect of melatonin against blue light-induced cell damage via the TRPV1–YAP pathway in cultured human epidermal keratinocytes. BIOFACTORS. 2025 Apr;51(2):e70015 WB ;Human. 40183558
- **[IF=4.645]** Pin-Shi Ni. et al. Indirect regulation of HIPPO pathway by miRNA mediates high-intensity intermittent exercise to ameliorate aging skeletal muscle function. SCAND J MED SCI SPOR. 2023 Feb;: WB ;Rat. 36789636
- **[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