

**MST1/MST1/MST1/MST1/STK4 polyclonal antibody**

Catalog: BS80371

Host: Rabbit

Reactivity: Human, Mouse, Rat

**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.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

Refer to figures

**Swiss-Prot:**

Q13043

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

muno- and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB, 1:500 - 1:2000 | IHC, 1:50 - 1:100 | IF/ICC, 1:50 - 1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

Unmodification

**DATA:**

Immunohistochemistry of paraffin-embedded human breast cancer using MST1/STK4 antibody at dilution of 1:100. Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Immunofluorescence analysis of L929 cells using MST1/STK4 Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.

**Note:**

For research use only, not for use in diagnostic procedure.

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