

A8043

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MST1/STK4 Rabbit pAb

Catalog No.: A8043

7 Publications

Basic Information

Observed MW

56kDa

Calculated MW

56kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-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.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Immunogen Information

Gene ID

6789

Swiss Prot

Q13043

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 303-487 of human MST1/STK4 (NP_006273.1).

Synonyms

KRS2; MST1; YSK3; K4

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

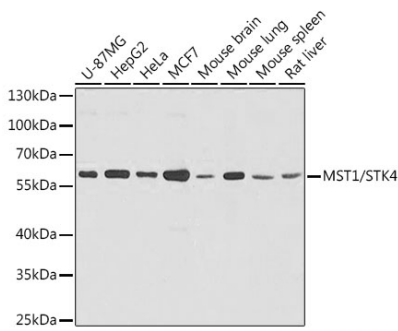
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Contact

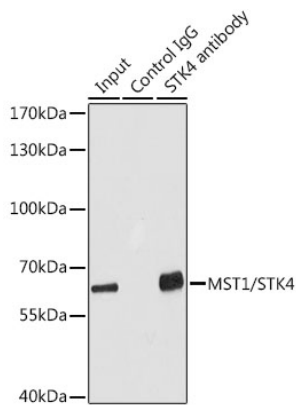


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Validation Data



Western blot analysis of various lysates using MST1/STK4 Rabbit pAb (A8043) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15s.



Immunoprecipitation analysis of 100 µg extracts of HepG2 cells using 3 µg MST1/STK4 antibody (A8043). Western blot was performed from the immunoprecipitate using MST1/STK4 antibody (A8043) at a dilution of 1:1000.