

## Product datasheet for **TA382140**

### **MST1 (STK4) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200 IP,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 303-487 of human MST1/STK4 (NP_006273.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	52kDa/55kDa
Gene Name:	serine/threonine kinase 4
Database Link:	<a href="#">Entrez Gene 6789 Human Q13043</a>



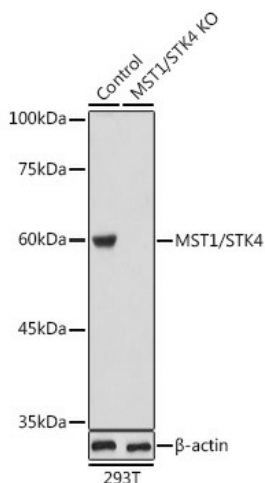
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**Background:**

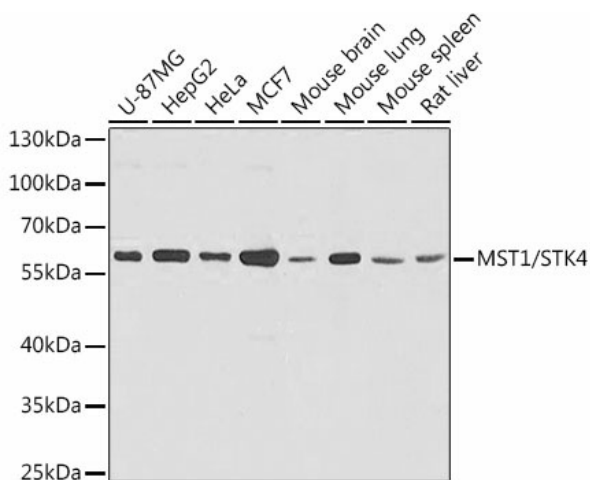
The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved 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.

**Synonyms:**

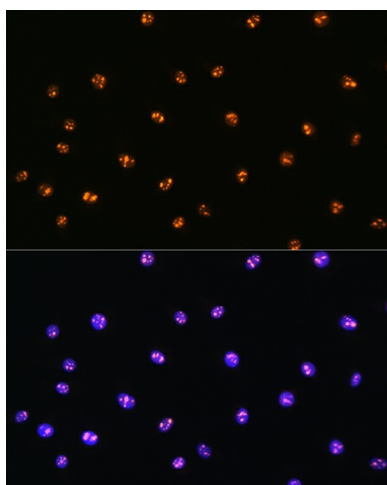
DKFZp686A2068; KRS2; MST-1; MST1; YSK3

**Product images:**


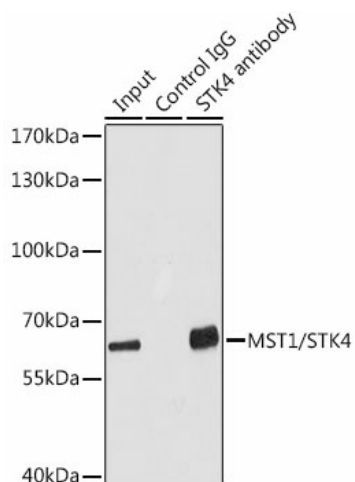
Western blot analysis of extracts from normal (control) and MST1/STK4 knockout (KO) 293T cells, using MST1/STK4 antibody (TA382140) at 1:1000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit . |Exposure time: 1s.



Western blot analysis of extracts of various cells, using MST1/STK4 antibody (TA382140) at 1:1000 dilution. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit . |Exposure time: 15s.



Immunofluorescence analysis of L929 cells using MST1/STK4 Rabbit pAb (TA382140) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 100ug extracts of HepG2 cells using 3ug MST1/STK4 antibody (TA382140). Western blot was performed from the immunoprecipitate using MST1/STK4 antibody (TA382140) at a dilution of 1:1000.