

## Rabbit MST1 Polyclonal Antibody | anti-STK4 antibody

MST1 Antibody (C-term)

|                               |                       |                                                           |                                                                  |
|-------------------------------|-----------------------|-----------------------------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA287584</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human (Predicted Reactivity: Bovine)</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------|------------------------------------------------------------------|

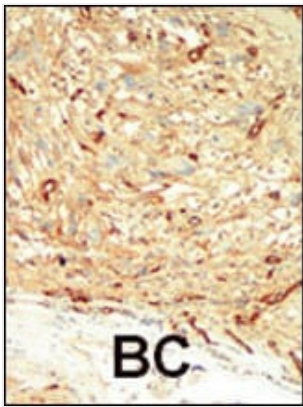
### PRODUCT SYNONYMS

MST1; Polyclonal Antibody; MST1 Antibody (C-term); Serine/threonine-protein kinase 4; Mammalian STE20-like protein kinase 1; MST-1; STE20-like kinase MST1; Serine/threonine-protein kinase Krs-2; Serine/threonine-protein kinase 4 37kDa subunit; MST1/N; Serine/threonine-protein kinase 4 18kDa subunit; MST1/C; STK4; KRS2; anti-STK4 antibody

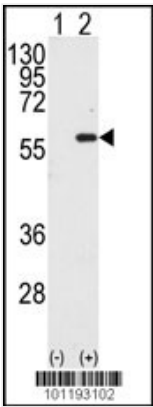
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human (Predicted Reactivity: Bovine)                                                                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                    | This MST1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-415 amino acids from the C-terminal region of human MST1.                      |
| Purity/Purification                            | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 1.13 (varies by lot)                                                                                                                                                  |
| Sequence Positions                             | 385-415                                                                                                                                                                                   |
| Sequence Length                                | 462                                                                                                                                                                                       |
| Applicable Applications for anti-STK4 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                      |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                 | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

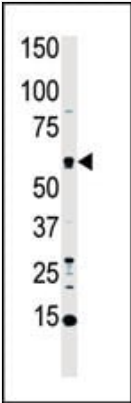
IMAGES



**IHC (Immunohistochemisry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
Western blot analysis of STK4 (arrow) using MST1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the STK4 gene (Lane 2) (Origene Technologies).



**WB (Western Blot)**  
Western blot analysis of anti-MST1 Pab in HL60 cell lysate. MST1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STK4 antibody | MST1 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 is possible that this protein induces the chromatin condensation observed in this process. |
| Product Categories/Family for anti-STK4 antibody   | Cardiovascular; Cell biology; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| References                                         | Cheung, W.L., et al., Cell 113(4):507-517 (2003).<br>Lin, Y., et al., J. Biol. Chem. 277(50):47991-48001 (2002).<br>De Souza, P.M., et al., Blood 99(9):3432-3438 (2002).<br>Ura, S., et al., Proc. Natl. Acad. Sci. U.S.A. 98(18):10148-10153 (2001).<br>Taylor, L.K., et al., Proc. Natl. Acad. Sci. U.S.A. 93(19):10099-10104 (1996).                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|             |         |
|-------------|---------|
| NCBI GI #   | 5454096 |
| NCBI GeneID | 6789    |

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI Accession #                 | NP_006273.1                                                    |
| NCBI GenBank Nucleotide #        | NM_006282.2                                                    |
| UniProt Accession #              | Q13043; Q15802; Q4G156; Q5H982; Q6PD60; Q9BR32; Q9NTZ4; B2RCR8 |
| Molecular Weight                 | 55630                                                          |
| NCBI Official Full Name          | serine/threonine-protein kinase 4                              |
| NCBI Official Synonym Full Names | serine/threonine kinase 4                                      |
| NCBI Official Symbol             | STK4                                                           |
| NCBI Official Synonym Symbols    | KRS2; MST1; YSK3; TIIAC                                        |
| NCBI Protein Information         | serine/threonine-protein kinase 4                              |
| UniProt Protein Name             | Serine/threonine-protein kinase 4                              |
| UniProt Gene Name                | <b>STK4</b>                                                    |
| UniProt Synonym Gene Names       | KRS2; MST1; MST-1; MST1/N; MST1/C                              |
| UniProt Entry Name               | STK4_HUMAN                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mst1-antibody-immunohistochemistry-western-blot-elisa/287584>