

## DESCRIPTION

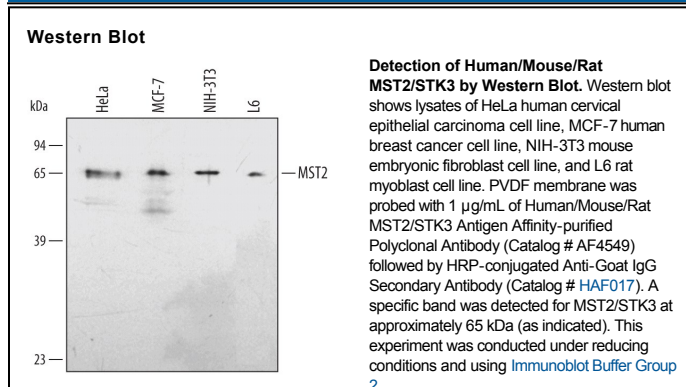
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects endogenous human, mouse and rat MST2 in Western blots. In Western blots, this antibody shows no cross-reactivity with recombinant human MST1/STK4.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human MST2 Ala339-Asp456 Accession # Q13188
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

MST2 (mammalian sterile twenty-like 2; also known as STK3 and Krs-1) is a 58 kDa member of the GCKII group of the STE20 subfamily of the STE Ser/Thr kinase protein family. In human, MST2 is 491 amino acids (aa) in length. It contains one kinase domain (aa 27-278), two NESs (aa 361-371 and 438-447) and coiled-coil domains (aa 287-328 and 442-475), and one NLS (aa 473-487). A caspase-cleavage site exists between Asp322-Ser323. MST2 is normally inactive in the cytoplasm bound to Raf-1. Cell activation induces Raf-1:MST2 dissociation, MST2 cleavage, and N-terminal translocation to the nucleus. Human MST2 is 99% and 96% aa identical to canine and mouse MST2, respectively.