

Human/Mouse/Rat MST2/STK3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4549

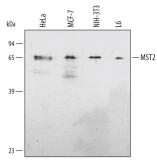
DESCRIPTION	
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat MST2 in Western blots. In Western blots, this antibody shows no cross-reactivity with recombinant human MST1/STK4.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived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

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
Western Blot	1 μg/mL	See Below

DATA

Western Blot



Detection of Human/Mouse/Rat MST2/STK3 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, MCF-7 human breast cancer cell line. NIH-3T3 mouse embryonic fibroblast cell line, and L6 rat myoblast cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat MST2/STK3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4549) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for MST2/STK3 at approximately 65 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/r	ml in sterile PBS

Shipping 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

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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

Rev. 2/6/2018 Page 1 of 1

