Mst3, CT (Mammalian STE20-like Protein Kinase 3, MST-3, MST3B, Serine/threonine Kinase 24 (Ste20, Yeast Homolog), STE20 Homolog (yeast), STE20-like Kinase MST3, STK3, STK24) (AP)

Catalog number
M4692-68F-AP

Supplier
United States Biological

The yeast 'Sterile 20' gene (STE20) functions upstream of the mitogen-activated protein kinase (MAPK) cascade. In mammals, protein kinases related to STE20 can be divided into 2 subfamilies based on their structure and regulation. Members of the PAK subfamily (see PAK3; MIM 300142) contain a C-terminal catalytic domain and an N-terminal regulatory domain that has a CDC42 (MIM 116952)-binding domain. In contrast, members of the GCK subfamily (see MAP4K2; MIM 603166), also called the Sps1 subfamily, have an N-terminal catalytic domain and a C-terminal regulatory domain without a CDC42-binding domain. STK24 belongs to the GCK subfamily of STE20-like kinases (Zhou et al., 2000 [PubMed 10644707]).[supplied by OMIM]

Applications
Suitable for use in ELISA, Western Blot, and Immunohistochemistry. Other applications not tested.

Recommended Dilution
ELISA: 1:1,000
Western Blot: 1:100-1:500
Immunohistochemistry: 1:50-1:100
Optimal dilutions to be determined by the researcher.

Storage and Stability
Store product at 4°C. DO NOT FREEZE! Stable at 4°C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

Note
Applications are based on unconjugated antibody.

Immunogen
Synthetic peptide selected from the C-terminal region of human MST3 (KLH).

Formulation
Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phophatase (AP).

Purity
Purified by Protein G affinity chromatography.

Specificity
Recognizes human MST3.

**Product Type**
Pab

**Source**
human

**Isotype**
IgG

**Grade**
Affinity Purified

**Applications**
E IHC WB

**Crossreactivity**
Hu

**Storage**
4°C Do Not Freeze

**MW**
49.307

**Detection Method**
AP

**Reference**