

Mst3 Antibody

Catalog No: #48317

Package Size: #48317-1 50ul #48317-2 100ul

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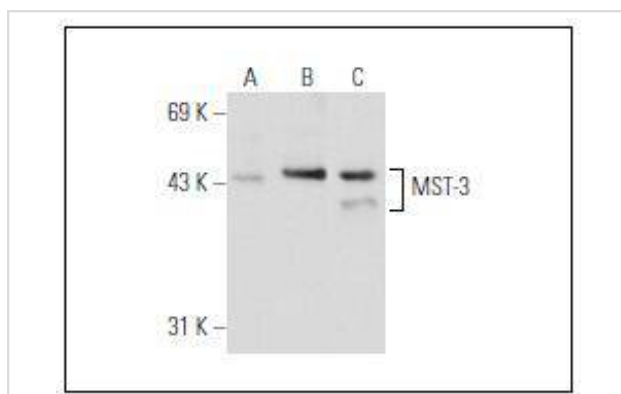
Description

Product Name	Mst3 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	1G8
Purification	ProA affinity purified
Applications	WB, IP, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Amino acids 275-393 of MST-3 of human origin.
Other Names	epididymis secretory protein Li 95 antibody HEL-S-95 antibody Mammalian STE20 like protein kinase 3 antibody Mammalian STE20-like protein kinase 3 antibody Mammalian STE20-like protein kinase 3 C-terminal antibody Mammalian STE20-like protein kinase 3 N-terminal antibody Mammalian sterile 20-like 3 antibody MST-3 antibody MST3/C antibody MST3/N antibody MST3B antibody serine threonine kinase 24 antibody Serine/threonine kinase 24 (Ste20, yeast homolog) antibody Serine/threonine-protein kinase 24 12 kDa subunit antibody Serine/threonine-protein kinase 24 antibody STE20 homolog yeast antibody STE20 like kinase MST3 antibody STE20-like kinase MST3 antibody Stk24 antibody STK24_HUMAN antibody STK3 antibody
Accession No.	Swiss-Prot#:Q9Y6E0
Uniprot	Q9Y6E0
GeneID	8428;
Calculated MW	50/35 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

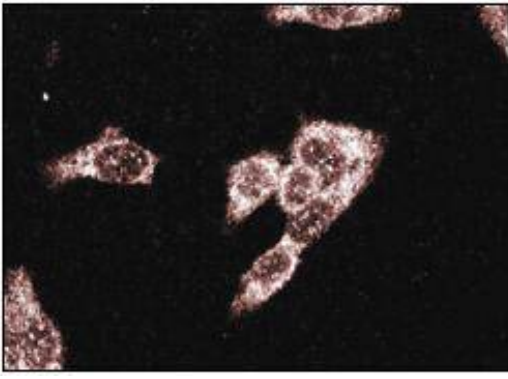
Application Details

WB: 1:100-1:1,000IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

Images



Western blot analysis of MST-3 expression in non-transfected 293T (A), human MST-3 transfected 293T (B) and A-431 (C) whole cell lysates.



Immunofluorescence staining of HeLa cells showing cytoplasmic staining.

Background

Sterile-20 (STE20) is a serine/threonine kinase in *Saccharomyces cerevisiae* that is involved in relaying signals from G protein-coupled receptors to cytosolic MAP kinase cascades. Mammalian protein kinases that display sequence similarity to STE20 are divided into two groups, the PAK subfamily and the GCK subfamily. The PAK subfamily members contain a C-terminal catalytic domain and an N-terminal regulatory domain with a p21Rac/Cdc42-binding site, and these kinases can activate both p38 MAPK and JNK. The GCK subfamily members contain a C-terminal regulatory domain and an N-terminal catalytic domain, and they have diverse roles in many pathways, including the activation of ERK, JNK, p38 MAPK, and caspase-3. The mammalian STE20-like kinases (MST kinases, also known as Ksr proteins) are members of the GCK subfamily. Ksr-1 and Ksr-2 (also known as MST-2 and MST-1, respectively) are both direct substrates of caspase-3 that accelerate caspase-3 activation. MST-3 is ubiquitously expressed in mammalian tissue and can phosphorylate exogenous substrates as well as itself. MST-4 is highly expressed in placenta, thymus, and peripheral blood leukocytes, and it specifically activates ERK.

References

Note: This product is for in vitro research use only