

Mst2 Rabbit mAb

Catalog No: #48997



Package Size: #48997-1 50ul #48997-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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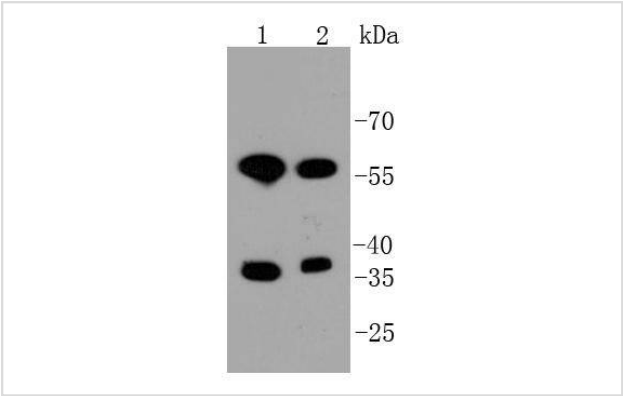
Description

Product Name	Mst2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC05-83
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	DKFZp686A2068 antibody FLJ90748 antibody KRS1 antibody KRS2 antibody Mammalian STE20 like protein kinase 1 antibody Mammalian STE20 like protein kinase 2 antibody MST 1 antibody MST 2 antibody MST1 antibody MST2 antibody Serine/threonine kinase 3 (STE20 homolog yeast) antibody Serine/threonine kinase 3 (Ste20 yeast homolog) antibody Serine/threonine kinase 3 antibody Serine/threonine kinase 4 antibody Serine/threonine protein kinase 3 antibody Serine/threonine protein kinase 4 antibody Serine/threonine protein kinase Krs 1 antibody Serine/threonine protein kinase Krs 2 antibody STE20 like kinase MST1 antibody STE20 like kinase MST2 antibody STK 3 antibody STK 4 antibody STK3 antibody STK4 antibody YSK3 antibody
Accession No.	Swiss-Prot#:Q13188
Uniprot	Q13188
GeneID	6788;
Calculated MW	36/56 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

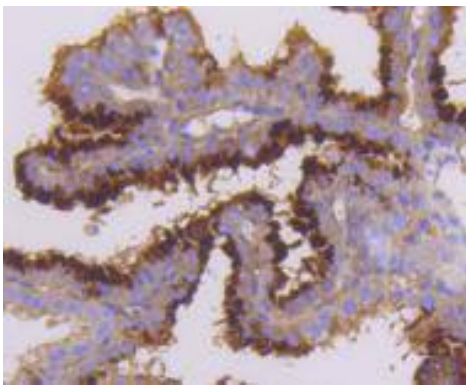
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200

Images



Western blot analysis of Mst2 on different lysates using anti-Mst2 antibody at 1/1,000 dilution. Positive control: Lane 1: CRC Lane 2: HCT116



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-Mst2 antibody. Counter stained with hematoxylin.

## Background

Sterile-20 (Ste20) is a serine/threonine kinase in *Saccharomyces cerevisiae* that is involved in relaying signals from G protein-coupled receptors to cyto-solic 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 Krs proteins, are members of the GCK subfamily. Ksr-1 (MST-2) and Ksr-2 (MST-1) 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