Mst2 polyclonal antibody

Catalog: BS90887 Host: Rabbit Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

36/56 kDa

Swiss-Prot:

Q13188(Human) Q9JI11(Mouse) O54748(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:5,000

IHC:1:50-1:200

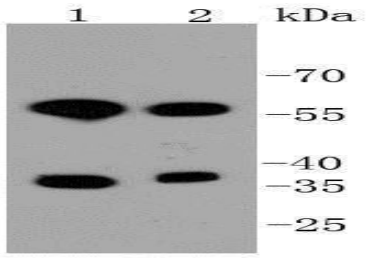
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

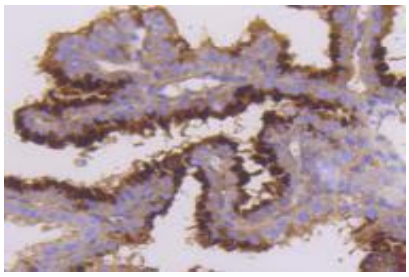
Specificity:

Mst2 polyclonal antibody detects endogenous levels of Mst2 protein.

DATA:



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.

Note:

For research use only, not for use in diagnostic procedure.

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