STK3 RABBIT MAB

Cat.#: N262946

Product Name: Anti-STK3 Rabbit Monoclonal Antibody

Synonyms: STK3; Mess1; MST-2; MST2; Serine/threonine kinase 3; KRS1; STE20-like kinase MST2

UNIPROT ID: Q13188

Background: Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key component of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ.

Immunogen: A synthetic peptide of human STK3

Applications: WB,IHC-P,IP

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R04-8D3

MW: Calculated MW: 56 kDa; Observed MW: 56 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat,Hamster

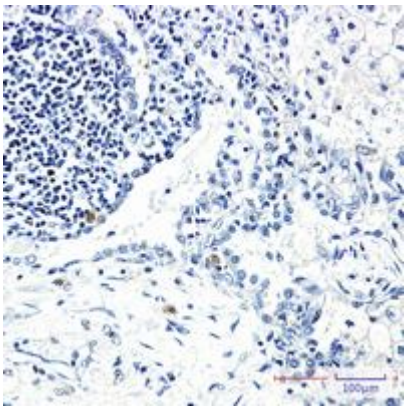
Conjugation: Unconjugated

Modification: Unmodified

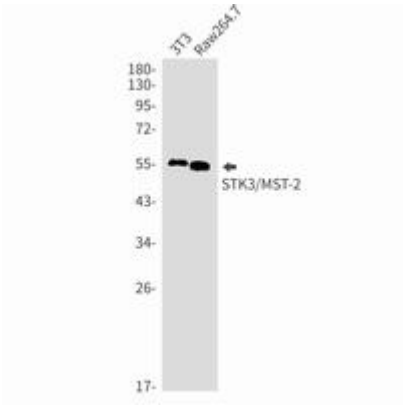
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Cell Biology

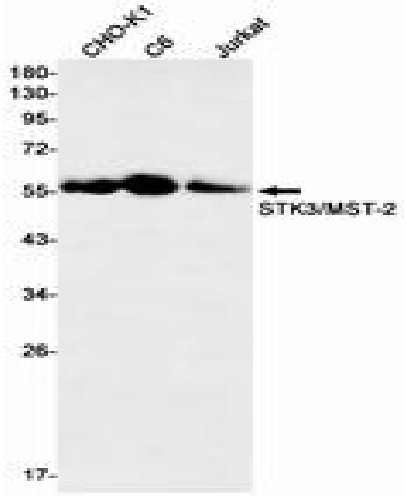
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using STK3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of STK3/MST2 in 3T3, Raw264.7 lysates using STK3 antibody.



Western blot analysis of STK3/MST2 in CHO-K1, C6, Jurkat lysates using STK3/MST2 antibody.