
Product Name: STK3 Rabbit Polyclonal Antibody**Catalog #: APRab00072**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 56 kDa; Observed MW: 56 kDa

Antigen Information

Gene Name	STK3
Alternative Names	STK3; Mess1; MST-2; MST2; Serine/threonine kinase 3; KRS1; STE20-like kinase MST2
Gene ID	6788
SwissProt ID	Q13188
Immunogen	A synthetic peptide of human STK3

Background

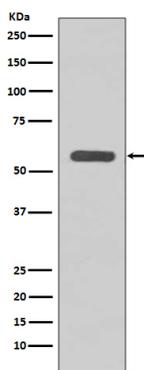
Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key component of the Hippo signaling pathway which plays a

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.

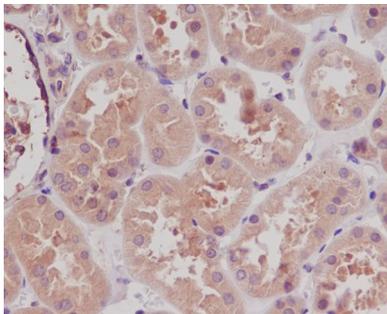
Research Area

Cell Biology

Image Data



Western blot analysis of STK3 in HeLa lysates using STK3 antibody.



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