

Mouse anti-Human MST1 Monoclonal Antibody | anti-STK4 antibody

Anti-MST1 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255423	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MST1; Monoclonal Antibody; Anti-MST1 Antibody; Mouse Monoclonal; STK4/MST1 Antibody; Mouse MAb; serine/threonine kinase 4; Anti-KRS2 Antibody; Anti-TIAC Antibody; Anti-YSK3 Antibody; anti-STK4 antibody

PRODUCT SPECIFICATIONS

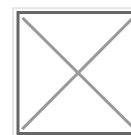
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	01
Specificity	Human STK4/MST1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-STK4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human STK4/MST1 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human STK4/MST1 (rh STK4/MST1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human STK4 expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human STK4, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of Human STK4 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human STK4 monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to nuclear and cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-STK4 antibody	Dysregulation of MST1/STK4, a key kinase component of the Hippo-YAP pathway, is linked to the etiology of many cancers with poor prognosis. STK4/Hippo pathway may have important therapeutic implications for cancer. The tumor suppressor serine/threonine-protein kinase 4 (STK4) differentially regulates TLR3/4/9-mediated inflammatory responses in macrophages and thereby is protective against chronic inflammation-associated Hepatocellular carcinoma (HCC). STK4 has potential as a biomarker and therapeutic target for inflammation-induced HCC.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13124559
NCBI GeneID	6789
UniProt Accession #	Q13043; Q15802; Q4G156; Q5H982; Q6PD60; Q9BR32; Q9NTZ4; B2RCR8
Molecular Weight	52,335 Da
NCBI Official Full Name	Serine/threonine-protein kinase 4
NCBI Official Synonym Full Names	serine/threonine kinase 4
NCBI Official Symbol	STK4
NCBI Official Synonym Symbols	KRS2; MST1; YSK3
NCBI Protein Information	serine/threonine-protein kinase 4
UniProt Protein Name	Serine/threonine-protein kinase 4
UniProt Gene Name	STK4
UniProt Synonym Gene Names	KRS2; MST1; MST-1; MST1/N; MST1/C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mst1-antibody-clone-01-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/255423>