

Rabbit anti-Human, Mouse MST1-2/STK3-4 Polyclonal Antibody | anti-MST1-2/STK3-4 antibody

Rabbit anti-MST1-2/STK3-4 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210969	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

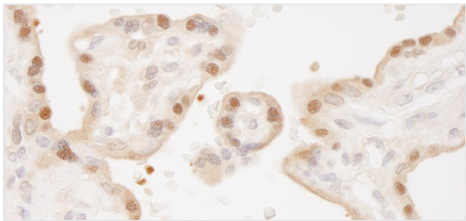
PRODUCT SYNONYMS

MST1-2/STK3-4; Polyclonal Antibody; Rabbit anti-MST1-2/STK3-4 Antibody; Affinity Purified; mammalian STE20-like protein kinase 2; STE20-like kinase MST2; serine/threonine-protein kinase Krs-1; serine/threonine-protein kinase 3; serine/threonine kinase 3 (Ste20; yeast homolog); serine/threonine kinase 3 (STE20 homolog; yeast); MST2; KRS1; KB-1458E12.1; epididymis secretory sperm binding protein; MST-2; Serine/threonine-protein kinase 3; serine/threonine kinase 3; anti-MST1-2/STK3-4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MST1-2/STK3-4 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Zebrafish, X. laevis
Immunogen	Between 441 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)
Detection of MST1 and MST2 by western blot and immunoprecipitation. Samples: A) Whole cell lysate from HeLa (5, 15 and 50 ug), Ramos (R, 50 ug) and mouse NIH 3T3 (M, 50 ug) cells. B) Whole cell lysate (1 mg/IP reaction; 1/4 of reaction loaded/gel) from HeLa cells. Antibodies: Affinity purified rabbit anti-MST1/2 antibody AAA210969 used at 0.1 ug/ml for WB (A and B) and 3 ug/mg lysate for IP. MST1 was immunoprecipitated using MST1 antibody MST2 was immunoprecipitated using MST2 antibody MST1 and MST2 were simultaneously immunoprecipitated using MST1/2 antibodies and AAA210969. Detection: Chemiluminescence with an exposure times of 3 seconds (A and B). AAA210969 recognized MST1 in IP from and MST2 in IP from (Immunohistochemistry). Detection of human MST1 and MST2 by immunohistochemistry. Sample: FFPE section of human placenta. Antibody: Affinity purified rabbit anti-MST1/2 (Cat. No. AAA210969 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-MST1-2/STK3-4 antibody	The sterile 20 (Ste20)-like kinase family acts upstream of mitogen-activated protein kinase (MAPK) pathways and regulates c-Jun N-terminal kinase (JNK), p38 and extracellular signal-regulated kinase (ERK). Ste20-like kinases are involved in a variety of cellular processes which include gene transcription, stress responses, cytoskeletal organization and apoptosis. MST1/STK4 can phosphorylate myelin basic protein and FOXO3, has been identified as a substrate of caspase, and is required to mediate apoptosis in response to various apoptotic stimuli. MST2/STK3 is cleaved by caspase-3 and mediates apoptosis in response to apoptotic signals.
Product Categories/Family for anti-MST1-2/STK3-4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	103471999
NCBI GeneID	6788
NCBI Accession #	NP_006272.2
NCBI GenBank Nucleotide #	NM_006281.3
UniProt Accession #	Q13188; Q15445; Q15801; Q96FM6; A8K722; B3KYA7
Molecular Weight	59,462 Da
NCBI Official Full Name	serine/threonine-protein kinase 3 isoform 1
NCBI Official Synonym Full Names	serine/threonine kinase 3
NCBI Official Symbol	STK3
NCBI Official Synonym Symbols	KRS1; MST2
UniProt Protein Name	Serine/threonine-protein kinase 3
UniProt Gene Name	STK3
UniProt Synonym Gene Names	KRS1; MST2; MST-2; MST2/N; MST2/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.

