

Rabbit anti-Human, Rat MST4/STK26 Polyclonal Antibody | anti-STK26 antibody

Anti-MST4/STK26 Antibody Picoband

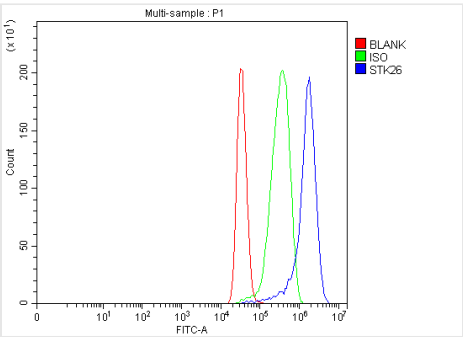
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126554	Rabbit	Human, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

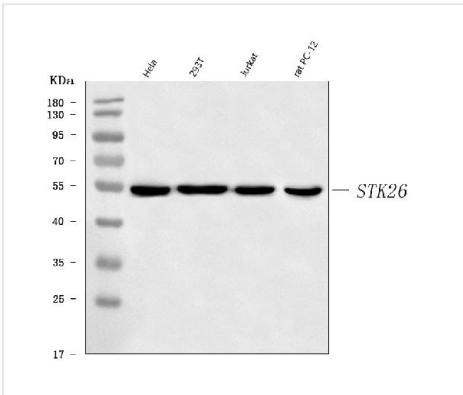
MST4/STK26; Polyclonal Antibody; Anti-MST4/STK26 Antibody Picoband; anti-STK26 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-STK26 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human MST4/STK26 recombinant protein (Position: K233-P416).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of MCF-7 cells using anti-MST4/STK26 antibody (AAA126554).Overlay histogram showing MCF-7 cells stained with AAA126554 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MST4/STK26 Antibody (AAA126554, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of MST4/STK26 using anti-MST4/STK26 antibody (AAA126554).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: rat PC-12 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MST4/STK26 antigen affinity purified polyclonal antibody (#AAA126554) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MST4/STK26 at approximately 52 kDa. The expected band size for MST4/STK26 is at 47 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STK26 antibody	The product of this gene is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Product Categories/Family for anti-STK26 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	109633026
NCBI GeneID	51765
NCBI Accession #	NP_001035917.1
NCBI GenBank Nucleotide #	NM_001042452.1
UniProt Accession #	Q9P289; Q3ZB77; Q8NC04; Q9BXC3; Q9BXC4; B2RAU2
Molecular Weight	46,529 Da
NCBI Official Full Name	serine/threonine-protein kinase MST4 isoform 3
NCBI Official Symbol	MST4
NCBI Official Synonym Symbols	MASK
NCBI Protein Information	serine/threonine-protein kinase MST4; STE20-like kinase MST4; mammalian sterile 20-like 4; Mst3 and SOK1-related kinase; serine/threonine-protein kinase MASK; mammalian Ste20-like protein kinase 4

UniProt Protein Name	Serine/threonine-protein kinase MST4
UniProt Gene Name	MST4
UniProt Synonym Gene Names	MASK; MST-4
UniProt Entry Name	MST4_HUMAN

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/polyclonal/mst4-stk26-antibody-western-blot-flow-cytometry-elisa/126554>