

Rabbit anti-Human STK10 Polyclonal Antibody | anti-STK10 antibody

STK10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325406	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

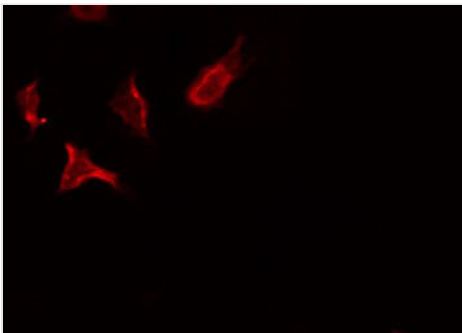
PRODUCT SYNONYMS

STK10; Polyclonal Antibody; STK10 Antibody; LOK; Lymphocyte oriented kinase; Lymphocyte-oriented kinase; PRO2729; Serine threonine protein kinase 10; Serine/threonine-protein kinase 10; STK10_HUMAN; anti-STK10 antibody

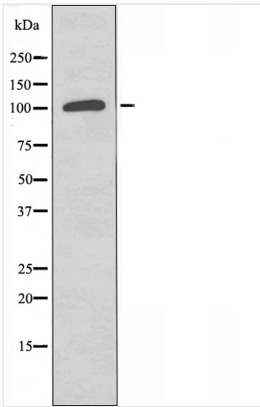
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	STK10 antibody detects endogenous levels of total STK10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	968
Applicable Applications for anti-STK10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Plasma Membrane
Tissue Specificity	Highly expressed in rapidly proliferating tissues (spleen, placenta, and peripheral blood leukocytes). Also expressed in brain, heart, skeletal muscle, colon, thymus, kidney, liver, small intestine and lung.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325406 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells using STK10 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STK10 antibody	Function: Serine/threonine-protein kinase involved in regulation of lymphocyte migration. Phosphorylates MSN, and possibly PLK1. Involved in regulation of lymphocyte migration by mediating phosphorylation of ERM proteins such as MSN. Acts as a negative regulator of MAP3K1/MEKK1. May also act as a cell cycle regulator by acting as a polo kinase kinase: mediates phosphorylation of PLK1 in vitro; however such data require additional evidences in vivo. Subunit Structure: Homodimer; homodimerization is required for activation segment autophosphorylation. Post-translational Modifications: Autophosphorylates following homodimerization, leading to activation of the protein. Similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	126362971
NCBI GeneID	6793
NCBI Accession #	NP_005981.3
NCBI GenBank Nucleotide #	NM_005990.3
UniProt Accession #	O94804; Q6NSK0; Q9UIW4; A6ND35; B2R8F5; B3KMY1
Molecular Weight	Observed: 120 kD Predicted: 113 kDa
NCBI Official Full Name	serine/threonine-protein kinase 10
NCBI Official Synonym Full Names	serine/threonine kinase 10
NCBI Official Symbol	STK10
NCBI Official Synonym Symbols	LOK; PRO2729
NCBI Protein Information	serine/threonine-protein kinase 10
UniProt Protein Name	Serine/threonine-protein kinase 10
UniProt Gene Name	STK10
UniProt Synonym Gene Names	LOK

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.