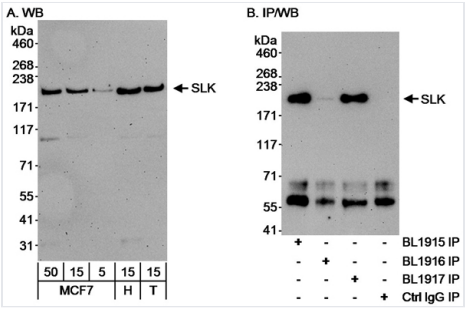
SLK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLK, Polyclonal Antibody
Full Product Name	Rabbit anti-SLK Antibody, Affinity Purified
Product Gene Name	anti-SLK antibody
Product Synonym Names	SNF1 sucrose nonfermenting like kinase; Long Ste20-like Kinase; STE20-related serine/threonine-protein kinase; Ste20-related serine/threonine kinase; STE20-related kinase; STE20-like serine/threonine-protein kinase; STK2; STE20-like kinase; SNF1 (sucrose nonfermenting, yeast, homolog)-like kinase, SNF1 sucrose nonfermenting like kinase; serine/threonine-protein kinase 2; LOSK; hSLK; CTCL tumor antigen se20-9; bA16H23.1; se20-9; STE20-like serine/threonine-protein kinase; STE20 like kinase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	142,695 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (105727470..105787342). Location: 10q24.33
3D Structure	ModBase 3D Structure for Q9H2G2
Predicted Reactivity	Mouse, Rat
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Product Categories/Family for anti-SLK antibody	Primary Antibodies
Applications Tested/Suitable for anti-SLK antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-SLK antibody	WB: 1:500-1:5000 IP: 6ug/mg lysate
Related Product Information for anti-SLK antibody	Ste20-like kinase (SLK) plays a role in cytoskeletal organization during cell spreading and can induce actin stress fiber disassembly. SLK is a serine/threonine kinase that is thought to be regulated by casein kinase 2 (CK2) and is also involved in apoptosis.
Other Notes	Small volumes of anti-SLK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLK purchase	MBS3901066 is an antibody targeting SLK. Also known as Rabbit anti-SLK Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SLK antibody
Detection of human SLK by western blot and immunoprecipitation. Samples: A) Whole cell lysate from MCF-7 (5, 15 and 50 ug), HeLa (H; 15 ug) and HEK293T (T; 15 ug). B) Whole cell lysate (1 mg/IP; 1/4 of IP loaded) from MCF7 cells. Antibodies: Affinity purified rabbit anti-SLK antibody BL1915 (Cat. No. MBS3901066) used at 1 ug/ml for WB (A and B) and at 3 ug/mg lysate for IP (B). SLK was also efficiently immunoprecipitated by BL1917 (Cat. No. MBS3901067) but not by BL1916. Detection: Chemiluminescence with an exposure time of 3 minutes (A and B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLK. It may not necessarily be applicable to this product.

NCBI GI #	41281453
NCBI GeneID	9748
NCBI Accession #	NP_055535.2
UniProt Primary Accession #	Q9H2G2
UniProt Secondary Accession #	O00211; Q6P1Z4; Q86WU7; Q86WW1; Q92603; Q9NQL0; Q9NQL1; D3DRA0; D3DRA1
UniProt Related Accession #	Q9H2G2
GenBank Nucleotide #	NM_014720.2
NCBI Official Full Name	STE20-like serine/threonine-protein kinase
NCBI Official Synonym Full Names	STE20-like kinase
NCBI Official Symbol	SLK
NCBI Official Synonym Symbols	LOSK; STK2; se20-9; bA16H23.1
UniProt Protein Name	STE20-like serine/threonine-protein kinase
UniProt Synonym Protein Names	CTCL tumor antigen se20-9; STE20-related serine/threonine-protein kinase; STE20-related kinase; Serine/threonine-protein kinase 2
Protein Family	STE20-like serine/threonine-protein kinase
UniProt Gene Name	SLK
UniProt Synonym Gene Names	KIAA0204; STK2; STE20-like kinase; hSLK
UniProt Entry Name	SLK_HUMAN
NCBI Protein Information	STE20-like serine/threonine-protein kinase; hSLK; STE20-related kinase; Long Ste20-like Kinase; CTCL tumor antigen se20-9; serine/threonine-protein kinase 2; Ste20-related serine/threonine kinase; SNF1 sucrose nonfermenting like kinase; STE20-related seri

UniProt Comments for SLK	SLK: a microtubule-associated protein kinase required for progression through G2. Co-localizes with the mitotic spindle in cells undergoing mitosis. Regulates actin reorganization during cell adhesion and spreading via a Rac1-mediated pathway. Signals via ASK1 and p38 to promote apoptosis. Activated in response to anoxia and ischemia-reperfusion injury in cell culture. It inhibits the protective aspects of the endoplasmic reticulum stress response, thus contributing to its proapoptotic effect. Two alternatively-spliced isoforms have been described. Protein type: Protein kinase, STE; Protein kinase, Ser/Thr (non-receptor); Kinase, protein; EC 2.7.11.1; STE group; STE20 family; SLK subfamily Chromosomal Location of Human Ortholog: 10q24.33 Cellular Component: cytoplasm Molecular Function: protein serine/threonine kinase activity; identical protein binding; protein homodimerization activity; ATP binding; receptor signaling protein serine/threonine kinase activity Biological Process: apoptosis; protein amino acid autophosphorylation
Research Articles on SLK	**1.** It was shown that lymphocyte-oriented and STE20 kinase were sufficient to restrict ezrin function to the apical domain. Both kinases were enriched in microvilli and locally activated there.
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