



# SLK Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-14996
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	SLK
<b>Protein Name</b>	STE20-like serine/threonine-protein kinase
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SLK. AA range:1151-1200
<b>Specificity</b>	SLK Polyclonal Antibody detects endogenous levels of SLK protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SLK; KIAA0204; STK2; STE20-like serine/threonine-protein kinase; STE20-like kinase; hSLK; CTCL tumor antigen se20-9; STE20-related serine/threonine-protein kinase; STE20-related kinase; Serine/threonine-protein kinase 2
<b>Observed Band</b>	150kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Ubiquitously expressed. Highest expression is found in heart and in skeletal muscle.
<b>Function</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Mediates apoptosis and actin stress fiber dissolution.,PTM:Autophosphorylated. Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Proteolytically cleaved by caspase-3.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 422.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 611.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 614.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UVR



domain.,tissue specificity:Ubiquitously expressed. Highest expression is found in heart and in skeletal muscle.,

**Background**

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Mediates apoptosis and actin stress fiber dissolution.,PTM:Autophosphorylated. Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Proteolytically cleaved by caspase-3.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 422.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 611.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 614.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UVR domain.,tissue specificity:Ubiquitously expressed. Highest expression is found in heart and in skeletal muscle.,

**matters needing attention**

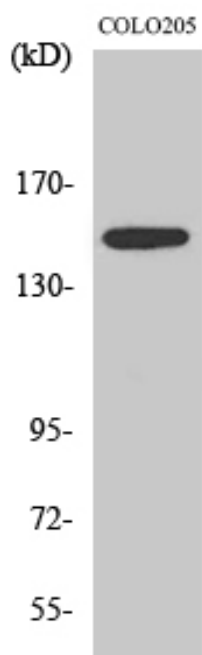
Avoid repeated freezing and thawing!

**Usage suggestions**

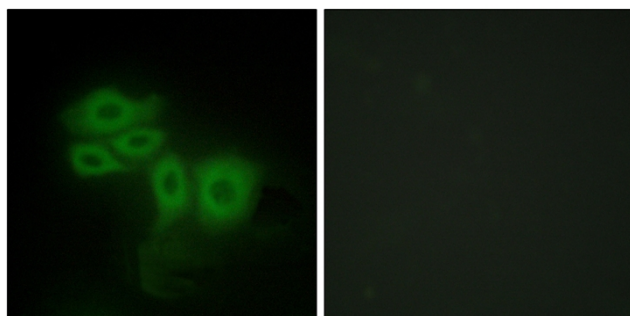
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



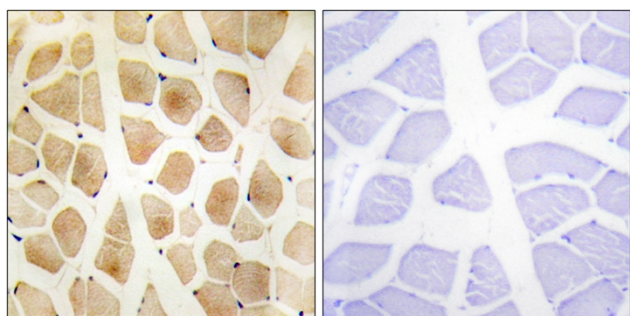
## Products Images



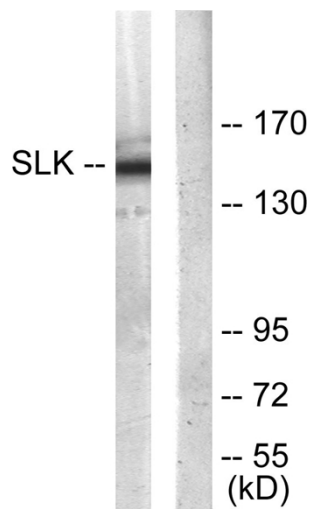
Western Blot analysis of various cells using SLK Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of HepG2 cells, using SLK Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using SLK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO205 cells, using SLK Antibody. The lane on the right is blocked with the synthesized peptide.