



# SLK Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Catalog No</b>         | BYab-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 |

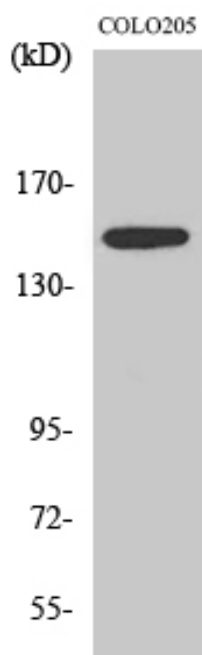
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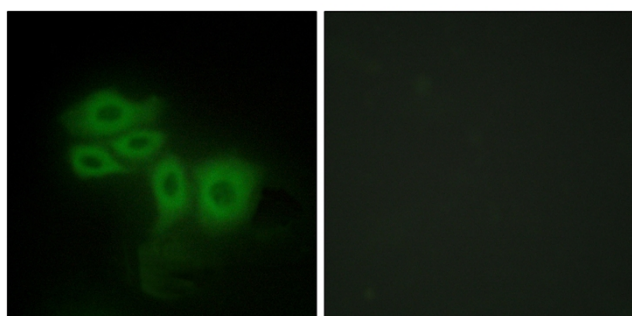
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



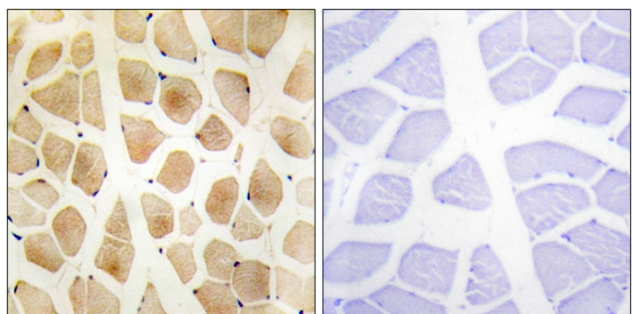
## Products Images



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

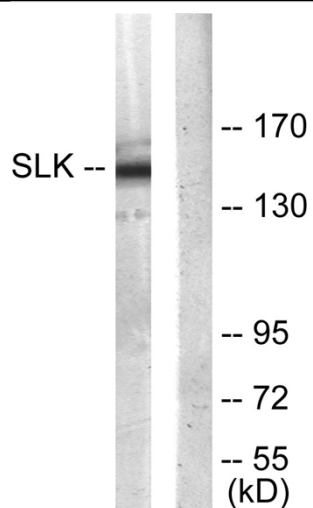


Immunofluorescence analysis of HepG2 cells, using SLK Antibody. The picture on the right is blocked with the synthesized peptide.



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

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