10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLK Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10569

Specification

SLK Antibody - Product Information

Application	**WB, IP**
Primary Accession	Q9H2G2
Other Accession	NP_055535.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**142695**

SLK Antibody - Additional Information

Gene ID 9748

Application & Usage	**Western blotting (1:500 – 1:2500) and immunoprecipitation. However, the optimal concentrations should be determined individually. The antibody recognizes the SLK of human and mouse origin. Reactivity to other species has not been tested.**

Other Names
SLK, STE20-like Kinase, SLK, Sucrose nonfermenting like kinase, STK2, Serine/Threonine Kinase 2

Target/Specificity
SLK

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

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Precautions
SLK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SLK Antibody - Protein Information

Name SLK

Synonyms KIAA0204, STK2

Function
Mediates apoptosis and actin stress fiber dissolution.

Cellular Location
Cytoplasm.

Tissue Location
Ubiquitously expressed. Highest expression is found in heart and in skeletal muscle.

SLK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLK Antibody - Images

SLK Antibody - Background

SLK (STE20-like kinase), also known as STK2 (serine/threonine protein kinase 2) or se20-9, is a member of the serine/threonine kinase subfamily, Ste20. This subfamily is comprised of several mammalian kinases which exhibit sequence similarity to the Saccharomyces cerevisiae serine/threonine kinase Ste20, a protein involved in relaying signals from G protein-coupled receptors to cytosolic MAP kinase cascades. Members of this subfamily include KHS, GLK, YSK1, HPK1, Krs-1, Krs-2, GC kinase, HGK and SLK. SLK is a ubiquitously expressed protein that localizes to the cytoplasm and contains an N-terminal protein kinase domain, a central coiled-coil domain and a C-terminal ATH domain. SLK is activated through cleavage by caspase-3. SLK indirectly associates with microtubules and plays an important role in cellular stress, cell motility, cell death and cytoskeletal dynamics.