

For Research Use Only

STK39 Polyclonal antibody, PBS Only

Catalog Number: 31064-1-PBS

Featured Product



Basic Information

Catalog Number:

31064-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34503

GenBank Accession Number:

BC166614

GeneID (NCBI):

27347

UNIPROT ID:

Q9UEW8

Full Name:

serine threonine kinase 39
(STE20/SPS1 homolog, yeast)

Calculated MW:

59 kDa

Observed MW:

60, 68 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

STK39 (Serine/Threonine Kinase 39) is a proline- and alanine-rich Ste20-related kinase (also named as SPAK), which is composed of a short N-terminal proline and alanine repeats (PAPA box), a kinase catalytic domain and a C-terminal regulatory domain (PMID: 16382158). In mammals, STK39 plays an important role in ion homeostasis by regulating the cation chloride cotransporters' activities, which is crucial for the modulation of renal salt transport and blood pressure (PMID: 33500714). Notably, STK39 is also implicated in the regulation of tumor cell proliferation, migration, and invasion in multiple cancers, including osteosarcoma and cervical cancer (PMID: 34335956).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

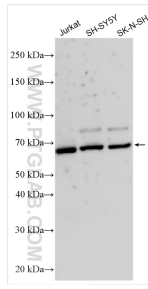
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31064-1-AP (STK39 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31064-1-PBS in a different storage buffer formulation.