For Research Use Only

STK39 Polyclonal antibody, PBS Only

Catalog Number:31064-1-PBS

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Basic Information

Catalog Number:
31064-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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:
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 mammalians, 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.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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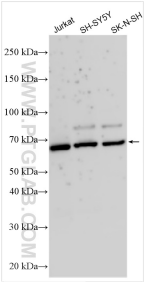
Selected Validation Data



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.