

For Research Use Only

# STK38 Polyclonal antibody

Catalog Number: 55335-1-AP

3 Publications



## Basic Information

### Catalog Number:

55335-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 707 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_007271

### GeneID (NCBI):

11329

### UNIPROT ID:

Q15208

### Full Name:

serine/threonine kinase 38

### Calculated MW:

54 kDa

### Observed MW:

54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:400

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB : MCF-7 cells, HeLa cells

IHC : human kidney tissue, human breast cancer tissue

IF/ICC : HEK-293 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Serine/threonine-protein kinase 38 belongs to AGC Ser/Thr protein kinase family. STK38 implicates in cell proliferation and/or tumor progression, and might play a role in the HIV-1 life cycle. Researches showed that STK38 with STK38L, were proapoptotic kinases and key members of the RASSF1/STK4 signaling cascade and its kinase activity increased in early mitotic phase and was dependent on FRY and STK3. This antibody recognizes the C-terminal of STK38.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xuejuan Gao	36511424	J Proteome Res	WB, IF
Kuangen Zhang	33852174	J Cell Biochem	IF, WB, IHC
Atri Ta	37041208	Nat Commun	WB, IP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

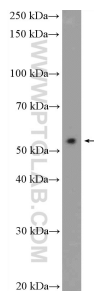
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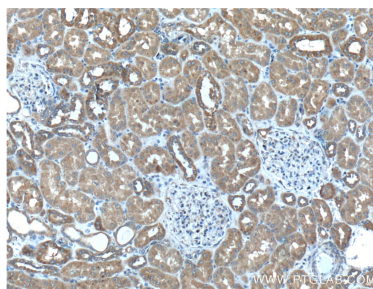
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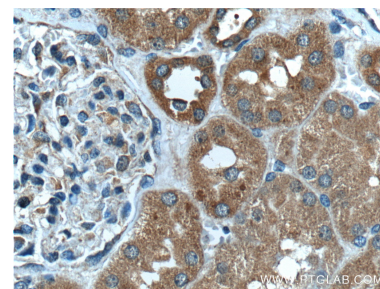
## Selected Validation Data



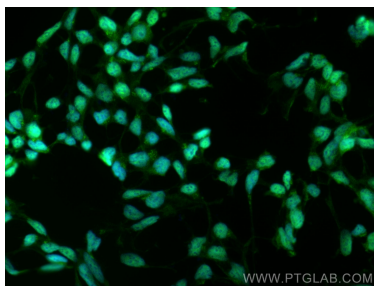
MCF-7 cells were subjected to SDS PAGE followed by western blot with 55335-1-AP (STK38 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55335-1-AP (STK38 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 55335-1-AP (STK38 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using STK38 antibody (55335-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).