

For Research Use Only

# STK36 Polyclonal antibody

Catalog Number: 12559-1-AP

3 Publications



## Basic Information

### Catalog Number:

12559-1-AP

### Size:

300 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3279

### GenBank Accession Number:

BC026158

### GeneID (NCBI):

27148

### UNIPROT ID:

Q9NRP7

### Full Name:

serine/threonine kinase 36, fused homolog (Drosophila)

### Calculated MW:

1315 aa, 144 kDa

### Observed MW:

144 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB: mouse testis tissue,

IP: mouse testis tissue,

IHC: human prostate tissue,

**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

STK36 (Serine/threonine-protein kinase 36) is also named as KIAA1278 and belongs to the Ser/Thr protein kinase family. The Serine/threonine protein kinase plays an important role in the sonic hedgehog (Shh) pathway by regulating the activity of GLI transcription factors and controls the activity of the transcriptional regulators GLI1, GLI2 and GLI3 by opposing the effect of SUFU and promoting their nuclear localization. It has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yoko Inès Nozawa	24525297	Dev Biol	IF
Tao He	38184689	Sci Rep	WB, IHC
Hongye Zhang	37584603	FASEB J	WB, IF

## 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

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

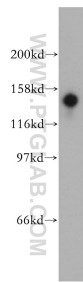
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

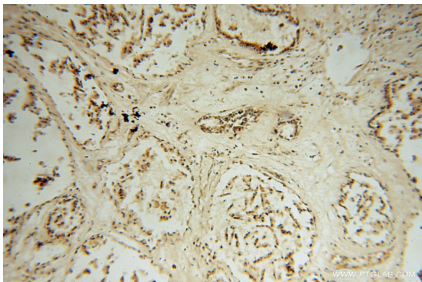
W: [ptgcn.com](http://ptgcn.com)

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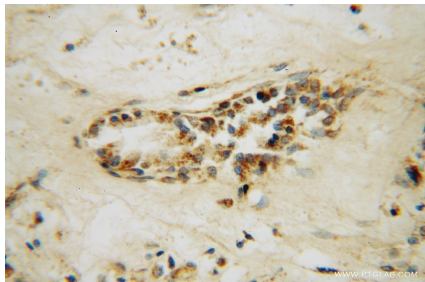
Selected Validation Data



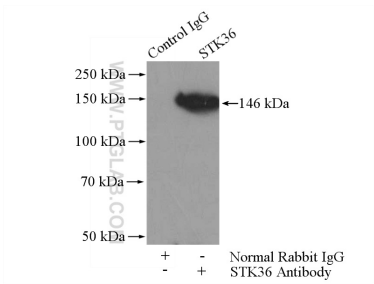
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12559-1-AP (STK36 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



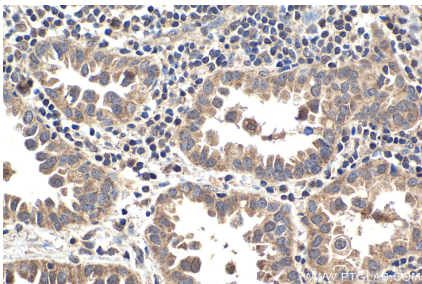
Immunohistochemical analysis of paraffin-embedded human prostate using 12559-1-AP (STK36 antibody) at dilution of 1:50 (under 10x lens).



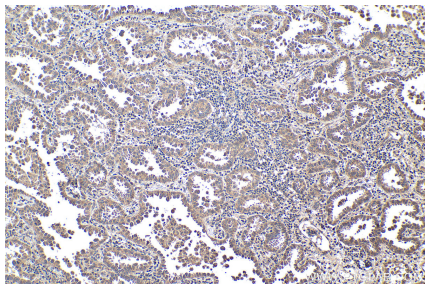
Immunohistochemical analysis of paraffin-embedded human prostate using 12559-1-AP (STK36 antibody) at dilution of 1:50 (under 40x lens).



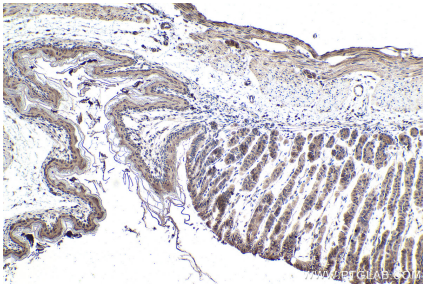
IP result of anti-STK36 (IP:12559-1-AP, 4ug; Detection:12559-1-AP 1:500) with mouse testis tissue lysate 4000ug.



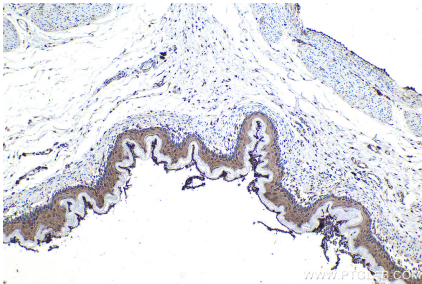
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12559-1-AP (STK36 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12559-1-AP (STK36 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 12559-1-AP (STK36 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 12559-1-AP (STK36 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).