

For Research Use Only

# STK3 Polyclonal antibody

Catalog Number:12097-1-AP

Featured Product

10 Publications



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>12097-1-AP   | <b>GenBank Accession Number:</b><br>BC010640                          | <b>Purification Method:</b><br>Antigen affinity purification                              |
| <b>Size:</b><br>150ul , Concentration: 300 ug/ml by Nanodrop and 180 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>6788   | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:500-1:2000<br>IF/ICC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>Q13188  |   |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>serine/threonine kinase 3 (STE20 homolog, yeast) |   |
| <b>Immunogen Catalog Number:</b><br>AG2741   | <b>Calculated MW:</b><br>491 aa, 56 kDa                               |   |
|  | <b>Observed MW:</b><br>63 kDa   |   |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>WB, IHC, IF/ICC, ELISA | <b>Positive Controls:</b><br>WB : A375 cells, HeLa cells, HL-60 cells<br>IHC : human pancreas cancer tissue,<br>IF/ICC : HeLa cells, |
| <b>Cited Applications:</b><br>WB, IHC, IF             |  |
| <b>Species Specificity:</b><br>human                  |  |
| <b>Cited Species:</b><br>human, rat, sheep            |  |

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

## Notable Publications

| Author        | Pubmed ID | Journal           | Application |
|---------------|-----------|-------------------|-------------|
| Yandong Zhang | 31731517  | Molecules         | WB          |
| Yuxing Zhu    | 33147570  | Aging (Albany NY) | WB          |
| Xinxing Pan   | 35545004  | Mol Cancer Ther   | WB          |

## Storage

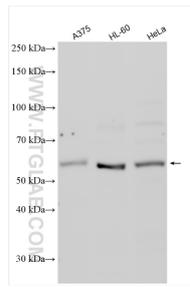
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

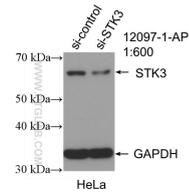
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

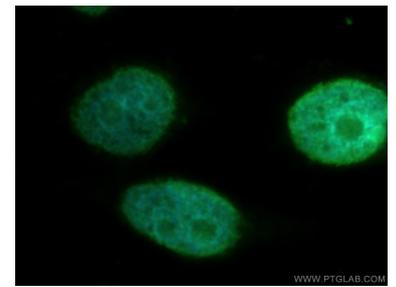
## Selected Validation Data



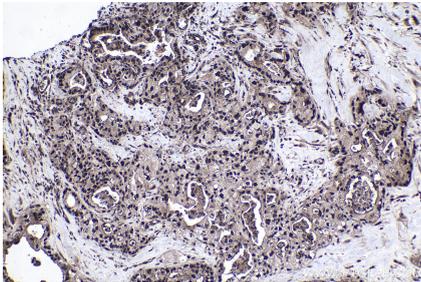
Various lysates were subjected to SDS PAGE followed by western blot with 12097-1-AP (STK3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



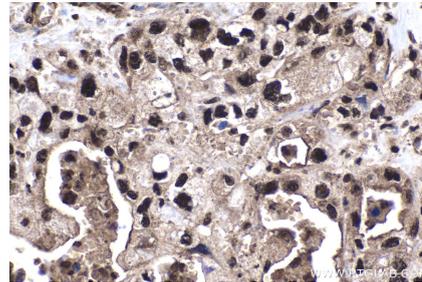
WB result of STK3 antibody (12097-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-STK3 transfected HeLa cells.



Immunofluorescent analysis of HeLa cells, using STK3 antibody 12097-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12097-1-AP (STK3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12097-1-AP (STK3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).