

For Research Use Only

# PASK Polyclonal antibody

Catalog Number: 14396-1-AP

Featured Product



## Basic Information

**Catalog Number:**

14396-1-AP

**Size:**

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5893

**GenBank Accession Number:**

BC063585

**GeneID (NCBI):**

23178

**UNIPROT ID:**

Q96RG2

**Full Name:**

PAS domain containing serine/threonine kinase

**Calculated MW:**

143 kDa

**Observed MW:**

180 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Species Specificity:**

human, mouse, rat

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

**Positive Controls:**

WB : HEK-293 cells, K-562 cells, Jurkat cells

IP : K-562 cells,

IHC : mouse testis tissue, human prostate hyperplasia tissue, human testis tissue

IF/ICC : HeLa cells,

## Background Information

PAS (Per-Amt-Sim) domains regulate the function of many intracellular signaling pathways in response to both extrinsic and intrinsic stimuli. PAS domain-containing serine/threonine-protein kinase (PASK, also termed PASKIN or PASKIN) is an evolutionarily conserved nutrient responsive protein kinase. PASK links energy flux and protein synthesis in yeast and regulates glycogen synthesis in mammals. It has also been implicated in glucose-stimulated INS production in pancreatic beta-cells.

## 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

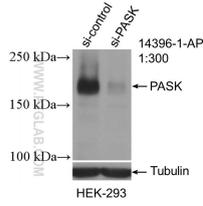
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

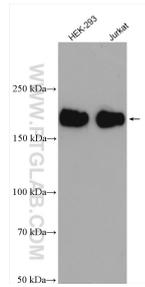
E: proteintech@ptglab.com  
W: ptglab.com

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

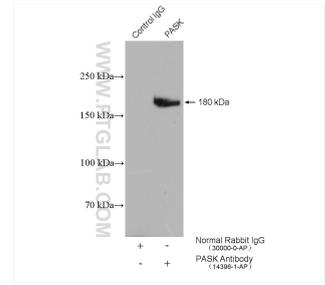
## Selected Validation Data



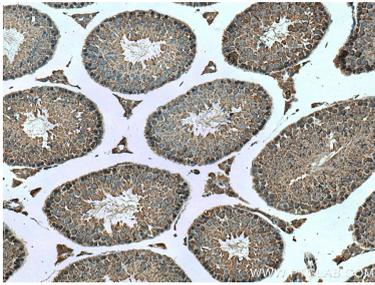
WB result of PASK antibody (14396-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PASK transfected HEK-293 cells.



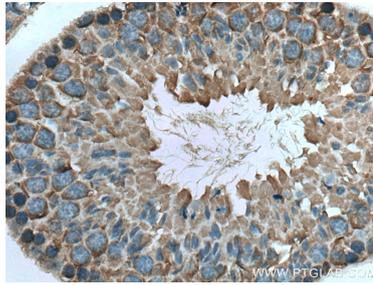
Various lysates were subjected to SDS PAGE followed by western blot with 14396-1-AP (PASK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



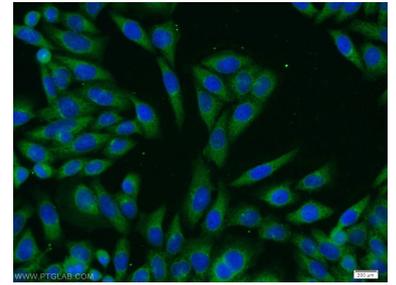
IP result of anti-PASK (IP:14396-1-AP, 4ug; Detection:14396-1-AP 1:300) with K-562 cells lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 14396-1-AP (PASK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 14396-1-AP (PASK antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 14396-1-AP (PASK antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).