

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 PAS-kinase 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

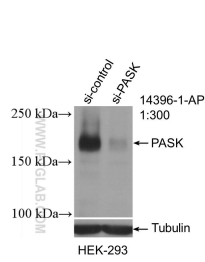
For technical support and original validation data for this product please contact:

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

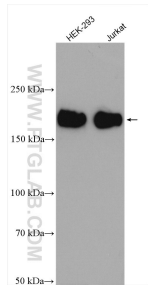
E: proteintech@ptglab.com
W: ptglab.com

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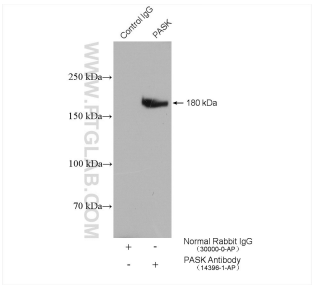
Selected Validation Data



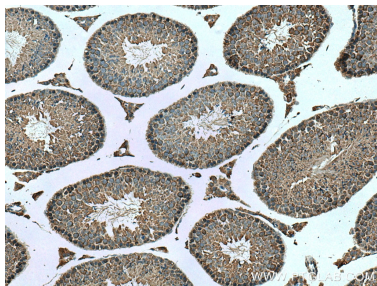
WB result of PASK antibody (14396-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PASK transfected HEK-293 cells.



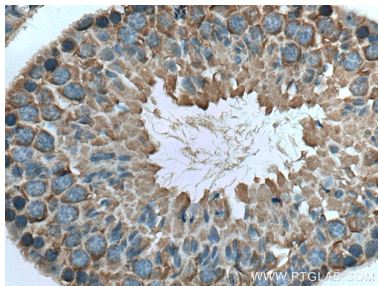
Various lysates were subjected to SDS PAGE followed by western blot with 14396-1-AP (PASK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



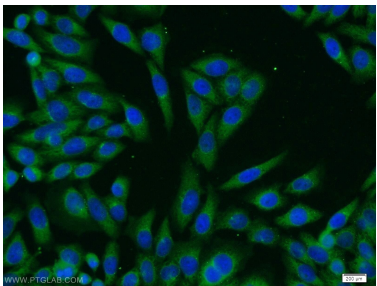
IP result of anti-PASK (IP:14396-1-AP, 4ug; Detection:14396-1-AP 1:300) with K-562 cells lysate 4000 ug.



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).