

For Research Use Only

RIOK3 Polyclonal antibody

Catalog Number: 13593-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:
13593-1-AP

Size:
150ul, Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4497

GenBank Accession Number:
BC039729

GeneID (NCBI):
8780

Full Name:
RIO kinase 3 (yeast)

Calculated MW:
516 aa, 60 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:5000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:10-1:100

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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-293T cells, mouse testis tissue, MCF-7 cells, rat testis tissue, HeLa cells, Jurkat cells

IP: mouse testis tissue,

IHC: human breast cancer tissue,

IF: MCF-7 cells,

Background Information

RIOK3 (Serine/threonine-protein kinase RIO3) is initially characterized as a homolog of *Aspergillus nidulans* sudd and showed down-regulation at the invasive front of malignant melanomas. On Western blots, human RIOK3 migrated as a 60-kD protein. Northern blot analysis indicated that the approximately 4-kb RIOK3 mRNA is expressed widely in human tissues, with additional smaller transcripts present in testis.

Notable Publications

Author	Pubmed ID	Journal	Application
Min Yu	34572430	Biomedicines	WB
Yong Shen	34161773	Cell Rep	WB
Lingbo Zhang	21196494	Genes Dev	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

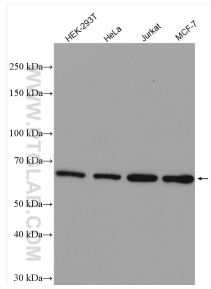
For technical support and original validation data for this product please contact:

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

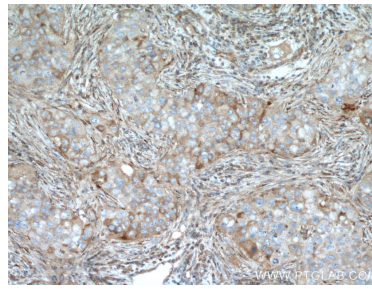
E: proteintech@ptglab.com
W: ptglab.com

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

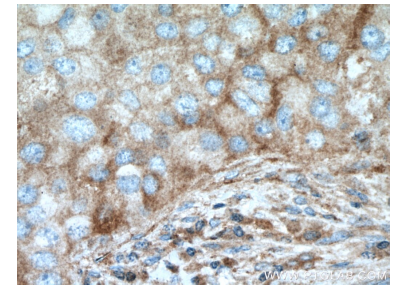
Selected Validation Data



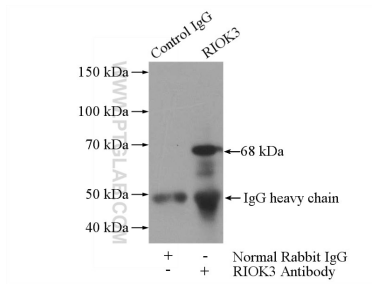
Various lysates were subjected to SDS PAGE followed by western blot with 13593-1-AP (ROK3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



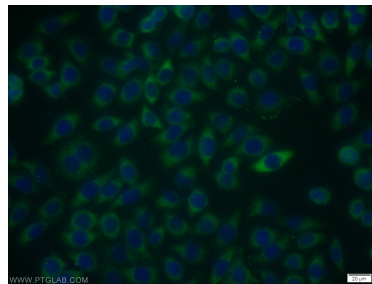
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13593-1-AP (ROK3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13593-1-AP (ROK3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-ROK3 (IP:13593-1-AP, 4ug; Detection:13593-1-AP 1:600) with mouse testis tissue lysate 4000ug.



Immunofluorescent analysis of MCF-7 cells using 13593-1-AP (ROK3 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).