

For Research Use Only

RSK3 Polyclonal antibody

Catalog Number: 14446-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

14446-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5862

GenBank Accession Number:

BC002363

GeneID (NCBI):

6196

UNIPROT ID:

Q15349

Full Name:

ribosomal protein S6 kinase, 90kDa, polypeptide 2

Calculated MW:

83 kDa

Observed MW:

83 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 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, CoIP

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: NIH/3T3 cells, HeLa cells, MCF-7 cells, MDA-MB-231 cells

IP: HeLa cells,

IHC: human lung cancer tissue, human placenta tissue

IF/ICC: HeLa cells,

Background Information

RSK3, also named as RPS6KA2, belongs to the protein kinase superfamily. RSK3 is a serine/threonine-protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. In addition RSK3 may function as tumor suppressor in epithelial ovarian cancer cells(Uniprot). The molecular weight of RSK3 is 83 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Haoya Xu	34550011	Epigenomics	IHC
Shuai Zhang	31695756	Theranostics	WB
Shuai Zhang	32550912	Theranostics	WB,IHC

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

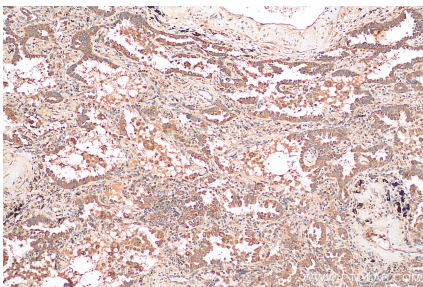
For technical support and original validation data for this product please contact:

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

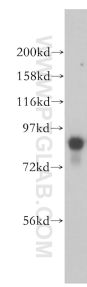
E: proteintech@ptglab.com
W: ptglab.com

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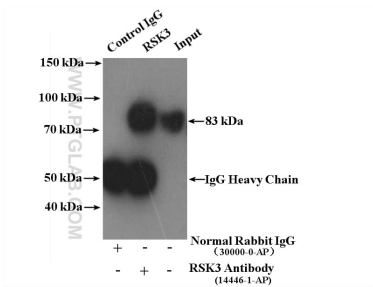
Selected Validation Data



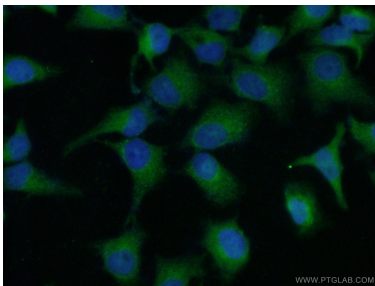
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14446-1-AP (RSK3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 14446-1-AP (RSK3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-RSK3 (IP:14446-1-AP, 4ug; Detection:14446-1-AP 1:800) with HeLa cells lysate 4000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14446-1-AP (RSK3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).