

For Research Use Only

# RSK4 Polyclonal antibody, PBS Only

Catalog Number: 21877-1-PBS



## Basic Information

**Catalog Number:**

21877-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16299

**GenBank Accession Number:**

BC148802

**GeneID (NCBI):**

27330

**UNIPROT ID:**

Q9UK32

**Full Name:**

ribosomal protein S6 kinase, 90kDa, polypeptide 6

**Calculated MW:**

745 aa, 84 kDa

**Observed MW:**

84 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Ribosomal s6 kinase4 (RSK4), an X-linked gene, firstly was found as to be a potential tumor suppressive gene in a variety of cancers and is widely participated in signaling pathway. RSK4 is a predominantly cytosolic protein with very low expression and several characteristics of the RSK family kinases, including the presence of two functional kinase domains and a C-terminal docking site for ERK (PMID: 39114716, 30579335). Endogenous RSK4 showed the same level of phosphorylation of Ser232, Ser372, and Ser389 in starved and growth factor-stimulated cells, and mutational analysis demonstrated that these sites are important in stimulation of kinase activity (PMID: 15632195).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

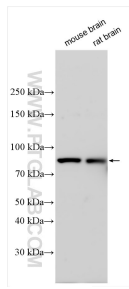
For technical support and original validation data for this product please contact:

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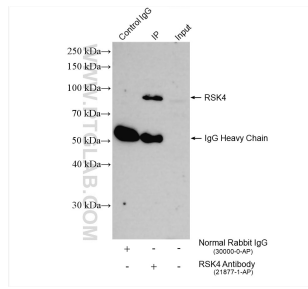
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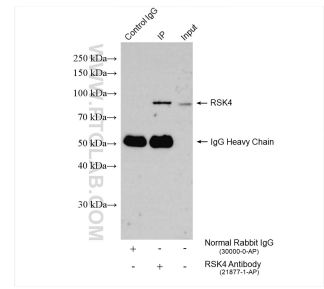
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21877-1-AP (RSK4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21877-1-PBS in a different storage buffer formulation.



IP result of anti-RSK4 (IP:21877-1-AP, 4ug; Detection:21877-1-AP 1:800) with PC-12 cells lysate 1560 ug. This data was developed using the same antibody clone with 21877-1-PBS in a different storage buffer formulation.



IP result of anti-RSK4 (IP:21877-1-AP, 4ug; Detection:21877-1-AP 1:800) with MCF-7 cells lysate 1520 ug. This data was developed using the same antibody clone with 21877-1-PBS in a different storage buffer formulation.