

# PAK4/6/7 Polyclonal antibody

Catalog Number: 12460-1-AP

## Basic Information

**Catalog Number:**

12460-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3127

**GenBank Accession Number:**

BC024179

**GeneID (NCBI):**

57144

**UNIPROT ID:**

Q9P286

**Full Name:**

p21 protein (Cdc42/Rac)-activated  
kinase 7

**Calculated MW:**

719 aa, 81 kDa

**Observed MW:**

80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate  
IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

IP: mouse brain tissue,

IHC: mouse brain tissue,

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

## Background Information

PAK7(p21-activated kinase 7) is also named as KIAA1264, PAK5 and belongs to the STE Ser/Thr protein kinase family. It plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, proliferation or cell survival. The antibody can recognize PAK4/6/7. PAK4/6/7 belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and STE20 subfamily. It acts on a variety of targets.

## Storage

**Storage:**

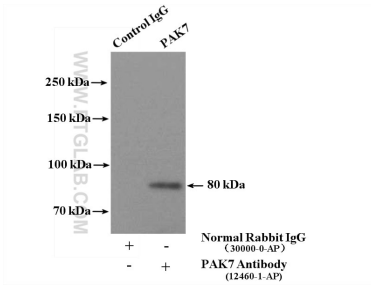
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

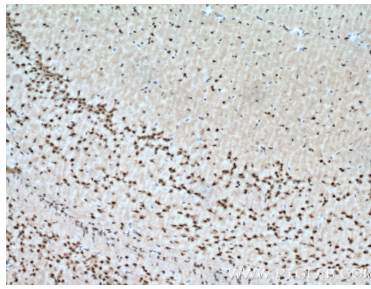
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

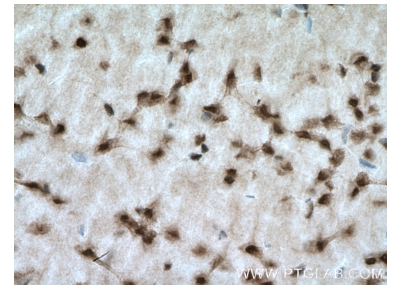
## Selected Validation Data



IP result of anti-PAK4/6/7 (IP:12460-1-AP, 4ug; Detection:12460-1-AP 1:300) with mouse brain tissue lysate 5200ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12460-1-AP (PAK7 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 brain tissue slide using 12460-1-AP (PAK7 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).