

For Research Use Only

# AK6 Polyclonal antibody, PBS Only

Catalog Number:30517-1-PBS



## Basic Information

**Catalog Number:**

30517-1-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG29330

**GenBank Accession Number:**

NM\_016283.4

**GeneID (NCBI):**

102157402

**UNIPROT ID:**

Q9Y3D8

**Full Name:**

AK6

**Calculated MW:**

20 kDa

**Observed MW:**

20-24 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse

## Background Information

Adenylate Kinase 6 (AK6), also known as human coilin-interacting nuclear ATPase protein (hCINAP), is a unique enzyme that belongs to the adenylate kinase family. It is encoded by the AK6 gene located on chromosome 5q13.2. AK6 is a dual-activity enzyme, possessing both adenylate kinase and ATPase activities. The protein is involved in various biological processes, including gene transcription, ribosome quality control, embryonic development, cellular senescence, metabolism, proliferation, apoptosis, DNA damage response, and inflammation. It is also implicated in tumor development and has been explored as a potential drug target for cancer and neurodegenerative diseases.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

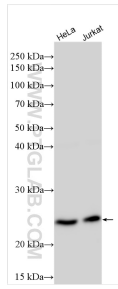
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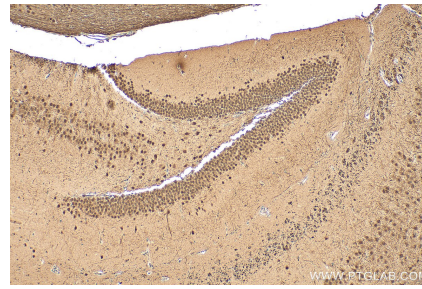
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30517-1-AP (AK6 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30517-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30517-1-AP (AK6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30517-1-PBS in a different storage buffer formulation.