

For Research Use Only

AK6 Polyclonal antibody, PBS Only

Catalog Number:30517-1-PBS



Basic Information

Catalog Number: 30517-1-PBS	GenBank Accession Number: NM_016283.4	Purification Method: Antigen affinity purification
Concentration: 1 mg/ml	GeneID (NCBI): 102157402	
Source: Rabbit	UNIPROT ID: Q9Y3D8	
Isotype: IgG	Full Name: AK6	
Immunogen Catalog Number: AG29330	Calculated MW: 20 kDa	
	Observed MW: 20-24 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

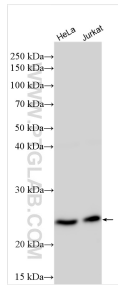
T: 4006900926

E: Proteintech-CN@ptglab.com

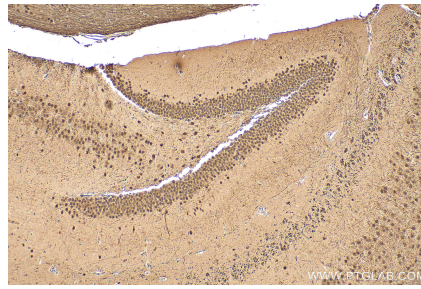
W: ptgcn.com

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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.