

For Research Use Only

AK6 Polyclonal antibody

Catalog Number: 30517-1-AP



Basic Information

Catalog Number: 30517-1-AP	GenBank Accession Number: NM_016283.4	Purification Method: Antigen affinity purification
Concentration: 500 ug/ml	GeneID (NCBI): 102157402	Recommended Dilutions: WB 1:5000-1:50000
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, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells
Species Specificity: human	

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

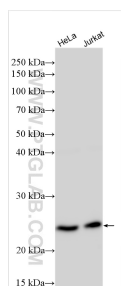
T: 4006900926

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.