

For Research Use Only

CDK10 Polyclonal antibody

Catalog Number: 30061-1-AP



Basic Information

Catalog Number: 30061-1-AP	GenBank Accession Number: BC017342	Purification Method: Antigen affinity purification
Size: 750 µg/ml	GeneID (NCBI): 8558	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q15131	
Isotype: IgG	Full Name: cyclin-dependent kinase 10	
Immunogen Catalog Number: AG30365	Calculated MW: 283 aa, 32 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells, K-562 cells, THP-1 cells, U2OS cells, C2C12 cells
Species Specificity: Human, Mouse	

Background Information

Cyclin-dependent kinase 10 (CDK10) is a Cdc2-related kinase that was discovered based on its homology to the Cdc2 PSTA1RE amino acid domain (PMID: 8208557). CDK10 plays a pivotal role in the regulation of fundamental cellular processes, including cell proliferation, transcription regulation, and cell cycle regulation. It partners with cyclin M to phosphorylate substrates such as ETS2 and PKN2 in order to modulate cellular growth. Initial reports have indicated that CDK10 may act as a tumor suppressor in breast cancer (PMID: 26392360). Additional studies have demonstrated tumor suppressive and oncogenic roles for CDK10 in malignancies such as hepatobiliary cancers, gastric cancer, glioma, nasopharyngeal carcinoma, and colorectal cancer (PMID: 22326270, PMID: 29512714, PMID: 23740091, PMID: 29845196)

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

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

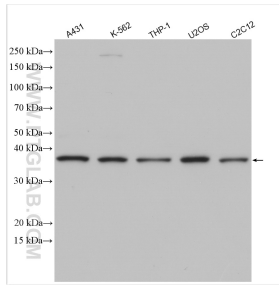
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30061-1-AP (CDK10 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.