

For Research Use Only

CDK8/19 Recombinant antibody, PBS Only

Catalog Number: 86276-1-PBS



Basic Information

Catalog Number: 86276-1-PBS	GenBank Accession Number: BC037289	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23097	CloneNo.: 250832D1
Source: Rabbit	UNIPROT ID: Q9BWU1	
Isotype: IgG	Full Name: cell division cycle 2-like 6 (CDK8-like)	
Immunogen Catalog Number: AG4731	Calculated MW: 502 aa, 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

The CDK8 homolog, CDK19 (Cdk11, CDC2L6) was discovered by Hidden Markov model (HMM) profiling of a eukaryotic protein kinase domain, and found to have approximately 91% sequence homology to Cdk8. The two proteins share a particularly high degree of sequence conservation in their kinase and cyclin binding domain (PMID: 30693281, 26985305). CDK8 and CDK19, collectively termed 'Mediator Kinase,' are incorporated, in a mutually exclusive manner, as part of a 4-protein complex called the Mediator kinase module. CDK8/19 inhibition suppressed the induction of NFkB-driven transcription by p21 (PMID: 28855340).

Storage

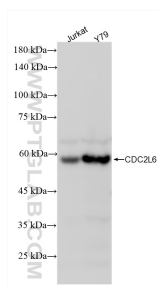
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

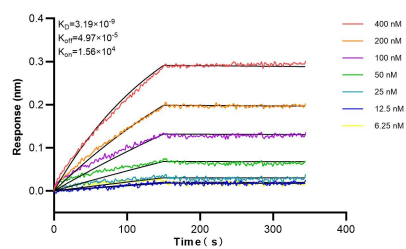
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 86276-1-RR (CDC2L6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86276-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86276-1-RR against Human CDK8/19 were performed. The affinity constant is 3.19 nM.