

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;	GenID (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 NF κ B-driven transcription by p21 (PMID: 28855340).

Storage

Storage:

Store at -80°C.

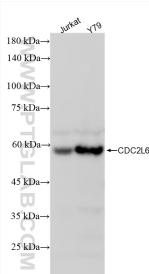
Storage Buffer:

PBS only, pH7.3

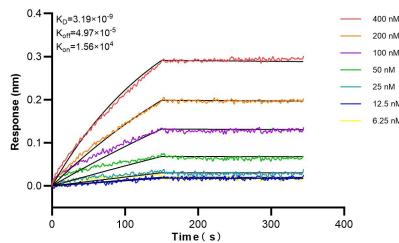
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Selected Validation Data



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.