

For Research Use Only

CDK8/19 Recombinant antibody

Catalog Number: 86276-1-RR



Basic Information

Catalog Number:	86276-1-RR	GenBank Accession Number:	BC037289	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	23097	CloneNo.:	250832D1
Source:	Rabbit	UNIPROT ID:	Q9BWU1	Recommended Dilutions:	WB: 1:2000-1:10000
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, ELISA	Positive Controls:
Species Specificity:	human	WB: Jurkat cells, Y79 cells

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-κB-driven transcription by p21 (PMID: 28855340).

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:

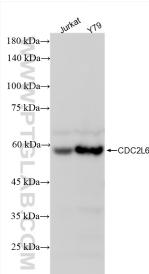
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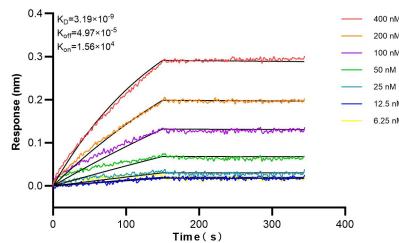
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Selected Validation Data



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.



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