

For Research Use Only

# CDK8/19 Recombinant antibody

Catalog Number: 86276-1-RR



## Basic Information

<b>Catalog Number:</b> 86276-1-RR	<b>GenBank Accession Number:</b> BC037289	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23097	<b>CloneNo.:</b> 250832D1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BWU1	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> cell division cycle 2-like 6 (CDK8-like)	
<b>Immunogen Catalog Number:</b> AG4731	<b>Calculated MW:</b> 502 aa, 57 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, Y79 cells
<b>Species Specificity:</b> 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 NFκB-driven transcription by p21 (PMID: 28855340).

## Storage

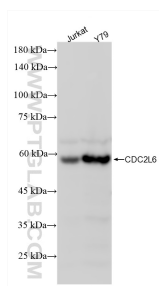
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

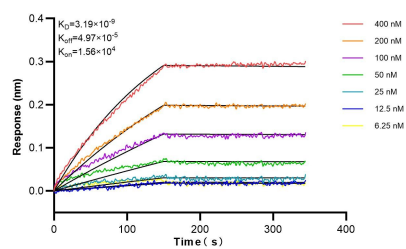
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## Selected Validation Data



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.