

CDK8/19 Recombinant antibody

Catalog Number: 86276-1-RR

Basic Information

Catalog Number:

86276-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4731

GenBank Accession Number:

BC037289

GeneID (NCBI):

23097

UNIPROT ID:

Q9BWU1

Full Name:

cell division cycle 2-like 6 (CDK8-like)

Calculated MW:

502 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

250832D1

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

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- κ B-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

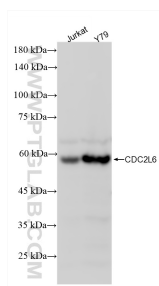
For technical support and original validation data for this product please contact:

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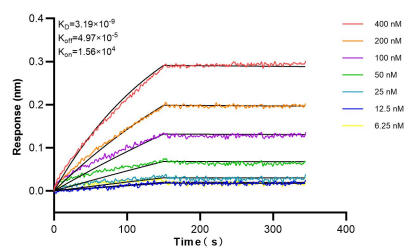
E: Proteintech-CN@ptglab.comW: ptgcn.com

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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.