

CDK5R1

Reactivity:Human

Tested applications:WB IHC

Recommended Dilution:WB 1:200 - 1:500 IHC 1:50 - 1:100

Calculated MW:34kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human CDK5R1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bi

Synonym:

CDK5R1;CDK5P35;CDK5R;MGC33831;NCK5A;p23;p25;p35;p35nck5a ;

Catalog #:A0197

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:8851

Isotype:IgG

Swiss Prot:Q15078

Purity:Affinity purification

For research use only.

Background:

Cyclin-dependent kinases (CDKs) are serine/threonine kinases that are activated by cyclins and govern eukaryotic cell cycle progression. While CDK5 shares high sequence homology with its family members, it is thought mainly to function in postmitotic neurons, regulating the cytoarchitecture of these cells. Analogous to cyclins, p35 and p39 associate with and activate CDK5 despite the lack of sequence homology. CDK5 is ubiquitously expressed, but high levels of kinase activity are detected primarily in the nervous system due to the narrow expression pattern of p35 and p39 in post-mitotic neurons. A large number of CDK5 substrates have been identified although no discrete substrates have been attributed as a function of p35 vs. p39. Amongst many, substrates of CDK5 include p35 and p39. p35 is rapidly degraded (T1/2
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