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CDK5

Reactivity: Human Mouse Rat

Tested applications:WB IHC IP FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:200 IP 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:33 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human CDK5

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

LIS7; PSSALRE;

Catalog #:A10814

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID:1020

Isotype: IgG

Swiss Prot:Q00535

Purity: Affinity purification

For research use only.

Background:

This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin-dependent kinase family of proteins. Unlike other members of the family, the protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration through phosphorylation of proteins required for cytoskeletal organization, endocytosis and exocytosis, and apoptosis. In humans, an allelic variant of the gene that results in undetectable levels of the protein has been associated with lethal autosomal recessive lissencephaly-7. Alternative splicing results in multiple transcript variants.

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