

Cdk5 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0332
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant human Cdk5 (N-terminus) protein fragments expressed in E.coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat,Bovine,Chicken,Dog,Pig,sheep,Zebrafish
Clonality	Monoclonal
Recommended application	WB, IF, ICC
Concentration	1 mg/ml
Full name	Cell division protein kinase 5
Synonyms	CDK5; CDKN5; Cyclin-dependent kinase 5; Cell division protein kinase 5; Serine; threonine-protein kinase PSSALRE; Tau protein kinase II catalytic subunit; TPKII catalytic subunit

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

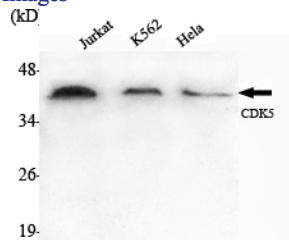
Recommended Dilution

IF: 1:100 - 1:500

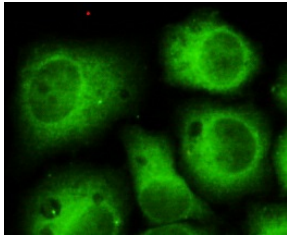
WB: 1:1000 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Cdk5 Monoclonal antibody against Jurkat, K562, HeLa cell lysate.



Immunofluorescence analysis of HeLa cells using Cdk5 Monoclonal antibody.

Storage

-20°C for one year

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