

Product Datasheet

CDK5 Antibody

Catalog No: CY5409

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC IP FC



www.abways.com

Information

UniProt ID: Q00535

All Names: CDK5; CRK6; Cell division protein kinase 5; EC 2.7.11.22; PSSALRE; TAU protein kinase II catalytic subunit; TPKII catalytic subunit; Tau protein kinase II catalytic subunit; kinase Cdk5;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 33 kDa

Application

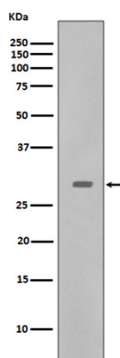
WB: 1:1000~1:5000

IHC: 1:50~1:200

IP: 1:50

Background

CDK5 is a protein kinase of the CDK family. Unlike other members of this family, it is not activated by cyclins but by p35 (CDK5R1) and p39. An important regulator of neuronal positioning during brain development. May also play a role in synaptogenesis and neurotransmission. Substrates include TAU, MAP2, NF-H and -M, Nudel, PDE6, beta-catenin, amphiphysin, dynamin I, synapsin 1, Munc-18, and NMDA receptor 2A. Plays a role in myogenesis, haematopoietic cell differentiation, spermatogenesis, insulin secretion, and lens differentiation. Implicated in the pathology of neurofibrillary tangles and formation of senile plaques, hallmarks of Alzheimer's disease. Induces tau phosphorylation and aggregation and neurofibrillary tangle deposition and neurodegeneration in in vitro and in vivo animal models. Brain samples from Alzheimer's patients show elevated CDK5 activity.



Western blot analysis of CDK5 expression in HeLa cell lysate.

For Research Use Only. Not For Use In Diagnostic Procedures.
www.abways.com