

CDK5 Antibody HRP Conjugated

Catalog No: #C00333H

Package Size: #C00333H 100ul

Description

Product Name	CDK5 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 1-45 292 derived from human CDK5
Conjugates	HRP
Target Name	CDK5
Other Names	PSSALRE; Cyclin-dependent-like kinase 5; Cell division protein kinase 5; Serine threonine-protein kinase PSSALRE; Tau protein kinase II catalytic subunit; TPKII catalytic subunit; CDK5; CDKN5
Accession No.	Swiss-Prot#Q00535NCBI Gene ID1020
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IHC-P=1:50-200 IHC-F=1:50-200

Background

CDK5 is serine threonine kinase involved in synaptic regulation and neuronal development; phosphorylates synaptic protein Pctaire1; regulates acetylcholine receptor expression. CDK5 is a member of the cyclindependent kinase family of serine threonine kinases. It is present in numerous mammalian tissues including kidney, testes, and ovary. Its activity is detected almost exclusively in brain extracts. Neuronal and muscle cells contain the highest amount of this protein. Similar to other Cdk5, monomeric Cdk5 displays no enzymatic activity, but Cdk5 is not activated by cyclins. Instead, the p35 protein, which is expressed solely in the brain, activates Cdk5. Cdk5 interacts with D1 and D3 type G1 cyclins and can phosphorylate histone H1, TAU, MAP2 and NF-H and NF-M. Cdk5 activity is involved in terminal differentiation of neurons and muscle cells.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.