

• Rabbit Anti-CDK5 Polyclonal Antibody

Primary Antibodies

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.

Source/Purification:

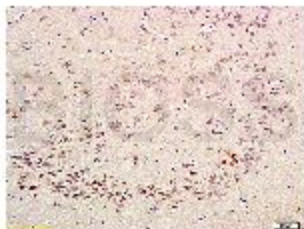
KLH conjugated synthetic peptide derived from human CDK5. Was purified by Protein A and peptide affinity chromatography.

Storage: Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.



Size: 100ul or 100ug lyophilized

Concentration: 1ug/uL

Host: Rabbit

Reactivities: Human, Mouse, Rat, Pig, Cow,

Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 32kDa

Preservatives:

10ug/uL BSA and 0.1% NaN₃.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.