Product **Datasheet**

Anti-CDK5 Rabbit pAb

WL01673

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-CDK5 Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:500-1:1000
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

Cell cycle progression is controlled in part by a family of cyclin proteins and cyclin dependent kinases (Cdks). Cdk proteins work in concert with the cyclins to phosphorylate key substrates involved in each phase of cell cycle progression. Several Cdk proteins have been identified, including Cdk2-Cdk8, PCTAIRE-1–3, PITALRE and PITSLRE. Cdk5 is thought to be involved in the G1-S transition of the cell cycle and is highly expressed in mature neurons. Activity of Cdk5 increases significantly during neuronal differentiation. Cdk5 has been postulated to be a neurofilament or tau protein kinase, based on its ability to phosphorylate these proteins in vitro.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of CDK5.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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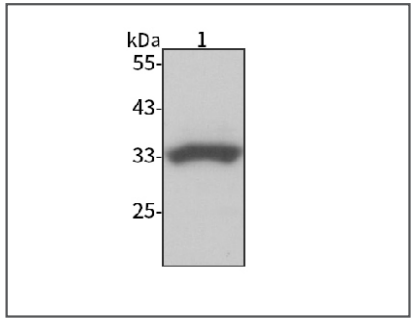
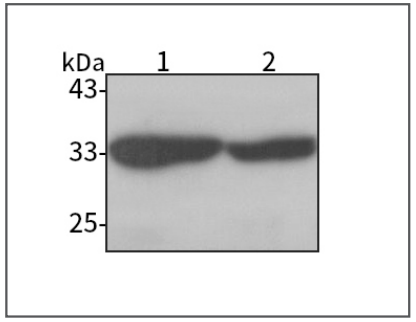
Product Images



Western blot-Anti-CDK5 pAb

Lane 1: Human SH-SY5Y cell lysate
All lanes: Anti-CDK5 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 33 kDa
Observed band size: 33 kDa



Western blot-Anti-CDK5 pAb

Lane 1: Mouse brain tissue lysate
Lane 2: Rat brain tissue lysate
All lanes: Anti-CDK5 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 33 kDa
Observed band size: 33 kDa

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