

Anti-Cyclin-dependent-like kinase 5 Cdk5 Antibody

Catalog Number: PA1548

About CDK5

CDK5, Cyclin-Dependent Kinase5, is also known as PSSALRE. The p34 (CDC2) protein kinase regulates important transitions in the eukaryotic cell cycle. The PSSALRE expression is in all human tissues and cell lines tested. The CDK5 gene is mapped to chromosome 7q36. Cyclin-dependent kinase-5 is predominantly expressed in neurons where it phosphorylates both high molecular weight neurofilaments and microtubule-associated protein tau. CDK5 is required for proper development of the mammalian central nervous system. To be activated, CDK5 must associate with its regulatory subunit, p35 (CDK5R1). CDK5 can phosphorylate DARPP32 at threonine-75, converting it into an inhibitor of PKA.

Overview

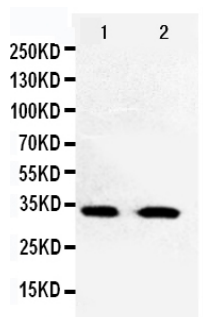
Product Name	Anti-Cyclin-dependent-like kinase 5 Cdk5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cyclin-dependent-like kinase 5 Cdk5 Antibody catalog # PA1548. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q00535

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cdk5, identical to the related rat and mouse sequence.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-Cyclin-dependent-like kinase 5 Cdk5 Antibody (PA1548) Images



Anti-Cdk5 antibody, PA1548, Western blotting
Lane 1: HELA Cell Lysate
Lane 2: JURKAT Cell Lysate

1 Publications Citing This Product

1. PubMed ID: 25206467, A new treatment for cognitive disorders related to in utero exposure to alcohol

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