

Anti-Phospho-CDK5 (S159) Antibody

Catalog Number: P00511-1

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-Phospho-CDK5 (S159) Antibody
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-Phospho-CDK5 (S159) Antibody catalog # P00511-1. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q00535

Technical Details

Immunogen	A synthesized peptide derived from human CDK5 around the phosphorylation site of Ser159.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200

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