

Rabbit CDK5 Monoclonal Antibody | anti-CDK5 antibody

CDK5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312150	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Western Blot

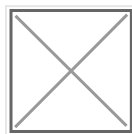
PRODUCT SYNONYMS

CDK5; Monoclonal Antibody; CDK5 Antibody; Cdk 5 antibody; Cdk5 antibody; CDK5_HUMAN antibody; Cell division protein kinase 5 antibody; Crk6 antibody; Cyclin dependent kinase 5 antibody; Cyclin-dependent kinase 5 antibody; Protein kinase CDK5 splicing antibody; PSSALRE antibody; Serine threonine protein kinase PSSALRE antibody; Serine/threonine-protein kinase PSSALRE antibody; Tau protein kinase II catalytic subunit antibody; TPKII catalytic subunit antibody; anti-CDK5 antibody

PRODUCT SPECIFICATIONS

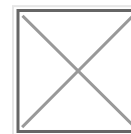
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SR39-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CDK5 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



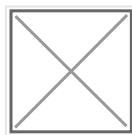
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells with Cdk5 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



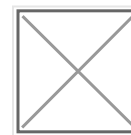
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Cdk5 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Cdk5 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Cdk5 on HeLa cell lysates using anti-Cdk5 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK5 antibody	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. Another family of proteins, Cdk inhibitors, also plays a role in regulating cell cycle by binding to cyclin-Cdk complexes and modulating their activity. Several Cdk proteins have been identified, including Cdk2-Cdk8, PCTAIRE-1C3, 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.
Product Categories/Family for anti-CDK5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	256542306
NCBI GeneID	1020
NCBI Accession #	NP_001157882.1
NCBI GenBank Nucleotide #	NM_001164410.1
UniProt Accession #	Q00535; A1XKG3
Molecular Weight	33,304 Da
NCBI Official Full Name	cyclin-dependent kinase 5 isoform 2
NCBI Official Synonym Full Names	cyclin-dependent kinase 5
NCBI Official Symbol	CDK5
NCBI Official Synonym Symbols	PSSALRE
NCBI Protein Information	cyclin-dependent kinase 5; TPKII catalytic subunit; protein kinase CDK5 splicing; cell division protein kinase 5; serine/threonine-protein kinase PSSALRE; tau protein kinase II catalytic subunit
UniProt Protein Name	Cyclin-dependent kinase 5
UniProt Gene Name	CDK5
UniProt Synonym Gene Names	CDKN5; TPKII catalytic subunit
UniProt Entry Name	CDK5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdk5-antibody-clone-sr39-01-flow-cytometry-immunoprecipitation-immunohistochemistry-western-blot-elisa/312150>