

Mouse anti-Human, Rat CDK6 Monoclonal Antibody | anti-CDK6 antibody

CDK6 (Cell Division Protein Kinase 6, Serine/Threonine-protein Kinase PLSTIRE, Crk2, MGC59692) (FITC)

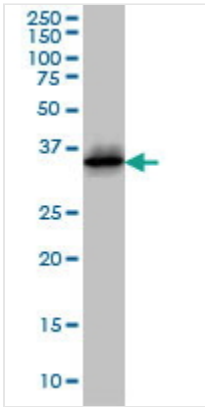
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25053	Mouse	Human, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

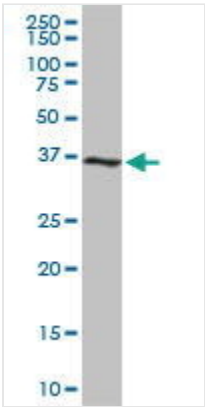
CDK6; Monoclonal Antibody; CDK6 (Cell Division Protein Kinase 6; Serine/Threonine-protein Kinase PLSTIRE; Crk2; MGC59692) (FITC); anti-CDK6 antibody

PRODUCT SPECIFICATIONS

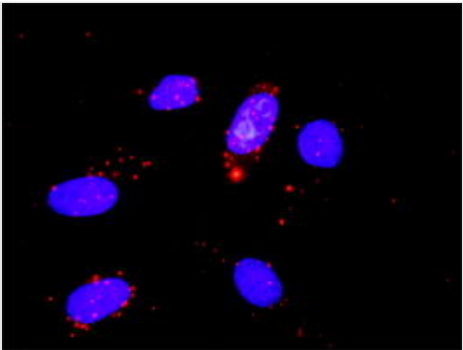
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	8H4
Specificity	Recognizes human CDK6. Species Crossreactivity: rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-CDK6 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa3-99 from human CDK6 (NP_001250) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KDGLCRADQQYECVAEIGEGAYGKVFKARDLKNNGRFVALKRVRVQTGEEGMPLSTIREVAVLRHLETFEHPNVVRLFDVCTVSRTDRETKLTLVFE
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



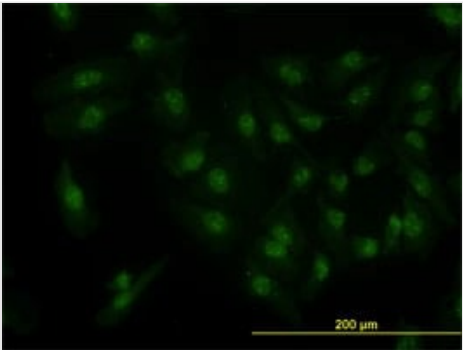
WB (Western Blot)
CDK6 monoclonal antibody, Western Blot analysis of CDK6 expression in Jurkat.



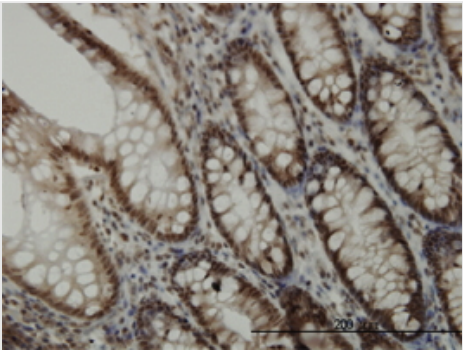
WB (Western Blot)
CDK6 monoclonal antibody. Western Blot analysis of CDK6 expression in PC-12.



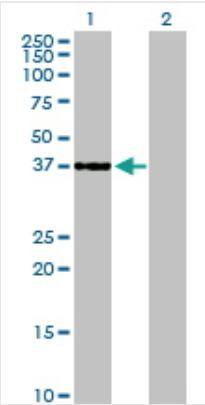
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between CDK2 and CDK6 HeLa cells were stained with CDK2 rabbit purified polyclonal 1:1200 and CDK6 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CDK6 on HeLa cell. [antibody concentration 10ug/ml].



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to CDK6 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3ug/ml].



WB (Western Blot)
Western Blot analysis of CDK6 expression in transfected 293T cell line by CDK6 monoclonal antibody. Lane 1: CDK6 transfected lysate (36.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CDK6 antibody	Antibodies; Protein Kinases
References	1. APRIL promotes cell-cycle progression in primary multiple myeloma cells: influence of D-type cyclin group and translocation status. Quinn J, Glassford J, Percy L, Munson P, Marafioti T, Rodriguez-Justo M, Yong K.Blood. 2011 Jan 20;117(3):890-901. Epub 2010 Aug 13.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502741
NCBI GeneID	1021
NCBI Accession #	NP_001250
NCBI GenBank Nucleotide #	NM_001259
UniProt Accession #	Q00534; A4D1G0
Molecular Weight	36,938 Da
NCBI Official Full Name	cyclin-dependent kinase 6
NCBI Official Synonym Full Names	cyclin-dependent kinase 6
NCBI Official Symbol	CDK6
NCBI Official Synonym Symbols	MCPH12; PLSTIRE
NCBI Protein Information	cyclin-dependent kinase 6
UniProt Protein Name	Cyclin-dependent kinase 6
UniProt Gene Name	CDK6
UniProt Synonym Gene Names	CDKN6
UniProt Entry Name	CDK6_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/cdk6-antibody-clone-8h4-immunofluorescence-immunohistochemistry-western-blot-elisa/25053>