

Mouse CDK4 Monoclonal Antibody | anti-CDK4 antibody

CDK4 (Cyclin-Dependent Kinase 4, CMM3, MGC14458, PSK-J3) (FITC)

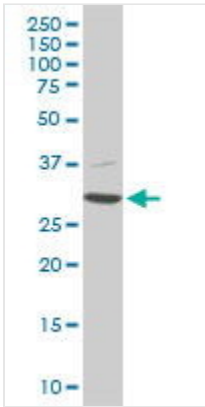
CATALOG # AAA26288	HOST Mouse	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

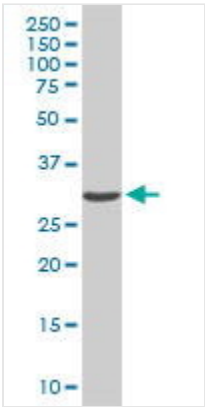
CDK4; Monoclonal Antibody; CDK4 (Cyclin-Dependent Kinase 4; CMM3; MGC14458; PSK-J3) (FITC); Cyclin-Dependent Kinase 4; PSK-J3; anti-CDK4 antibody

PRODUCT SPECIFICATIONS

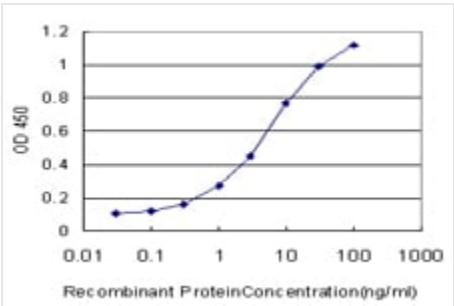
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2G7
Specificity	Recognizes CDK4.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Sequence Length	303
Applicable Applications for anti-CDK4 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	CDK4 (AAH03644, 211aa-303aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KPLFCGNSEADQLGKIFDLIGLPPEDDWPRDVSLPRGAFPPRGPRPVQSVVPEMEESGAQLLLEMLTFNPHKRISAFRALQHSYLHKDEGNPE
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. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



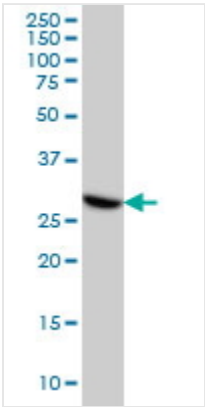
WB (Western Blot)
CDK4 monoclonal antibody (M04), clone 2G7. Western Blot analysis of CDK4 expression in Raw 264.7 (Cat # L024V1).



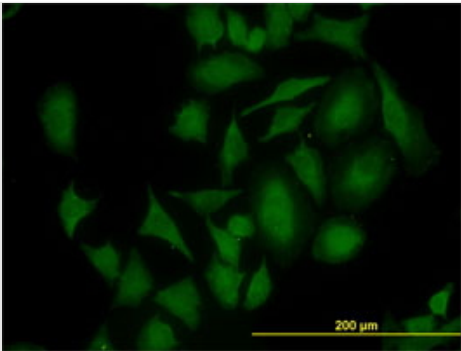
WB (Western Blot)
CDK4 monoclonal antibody (M04), clone 2G7. Western Blot analysis of CDK4 expression in NIH/3T3 (Cat # L018V1).



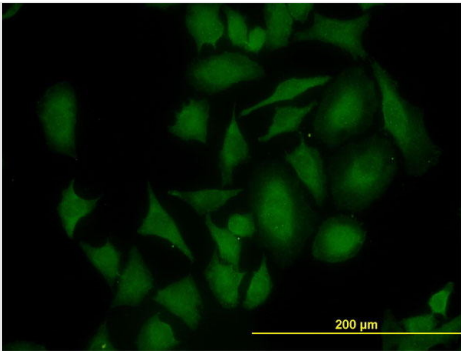
Application Data
Detection limit for recombinant GST tagged CDK4 is approximately 0.1ng/ml as a capture antibody.



WB (Western Blot)
CDK4 monoclonal antibody (M04), clone 2G7 Western Blot analysis of CDK4 expression in HeLa (Cat # L013V1).



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CDK4 on HeLa cell. [antibody concentration 10 ug/ml]



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CDK4 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-CDK4 antibody

The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of *S. cerevisiae cdc28* and *S. pombe cdc2*. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported. [provided by RefSeq]

Product Categories/Family for anti-CDK4 antibody

[Antibodies](#); [Protein Kinases](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13177739
NCBI GeneID	1019
NCBI Official Full Name	Cyclin-dependent kinase 4
NCBI Official Synonym Full Names	cyclin dependent kinase 4
NCBI Official Symbol	CDK4
NCBI Official Synonym Symbols	CMM3; PSK-J3
NCBI Protein Information	cyclin-dependent kinase 4

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://www.aaabiotech.com/monoclonal/cdk4-antibody-clone-2g7-immunofluorescence-western-blot-elisa/26288>