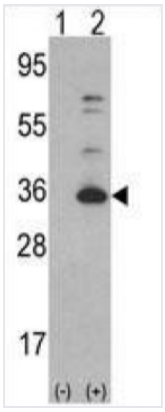
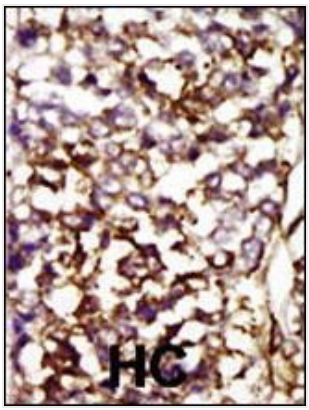
CDK4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDK4, Polyclonal Antibody
Full Product Name	CDK4, CT (CDK4, Cyclin-dependent kinase 4, Cell division protein kinase 4, PSK-J3) (MaxLight 490)
Product Gene Name	anti-CDK4 antibody
Product Synonym Names	CDK4; Cyclin-dependent kinase 4; Cell division protein kinase 4; PSK-J3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes human CDK4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34kDa
Chromosome Location	Chromosome: 12; NC_000012.11 (58141510..58146304, complement). Location: 12q14
OMIM	123829
3D Structure	ModBase 3D Structure for P11802
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 273-305 in the C-terminal region of human CDK4.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CDK4 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-CDK4 antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), Flow Cytometry (FC/FACS), FLISA, Immunofluorescence (IF)
Application Notes for anti-CDK4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CDK4 antibody	MBS6284408 is an antibody targeting CDK4. Also known as CDK4, CT (CDK4, Cyclin-dependent kinase 4, Cell division protein kinase 4, PSK-J3) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CDK4 antibody	1. Mori, N., et al., Int. J. Hematol. 77(3):259-262 (2003). 2. Masaki, T., et al., Hepatology 37(3):534-543 (2003). 3. Gump, J., et al., J. Biol. Chem. 278(9):6619-6622 (2003). 4. Ramirez, R.D., et al., Oncogene 22(3):433-444 (2003). 5. Detjen, K.M., et al., Exp. Cell Res. 282(2):78-89 (2003).
Other Notes	Small volumes of anti-CDK4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CDK4 antibody
Western Blot analysis of CDK4 (arrow) in 293 cell lysates (2 ug/lane) using 033663 either nontransfected (Lane 1) or transiently transfected with the CDK4 gene (Lane 2).



Immunohistochemistry (IHC) of anti-CDK4 antibody
Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human cancer tissue reacted with 033663, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of 033663 for immunohistochemistry. HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDK4. It may not necessarily be applicable to this product.

NCBI GI #	4502735
NCBI GeneID	1019
NCBI Accession #	NP_000066.1
UniProt Primary Accession #	P11802
UniProt Secondary Accession #	O00576; Q6FG61
UniProt Related Accession #	P11802
GenBank Nucleotide #	NM_000075.3
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
UniProt Protein Name	Cyclin-dependent kinase 4
UniProt Synonym Protein Names	Cell division protein kinase 4; PSK-J3
Protein Family	Cyclin-dependent kinase
UniProt Gene Name	CDK4
UniProt Entry Name	CDK4_HUMAN
NCBI Protein Information	cyclin-dependent kinase 4; cell division protein kinase 4
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cdk4/6284408