

Rabbit anti-Human CDK4 Polyclonal Antibody | anti-CDK4 antibody

CDK4 Antibody

CATALOG # AAA308140	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	---

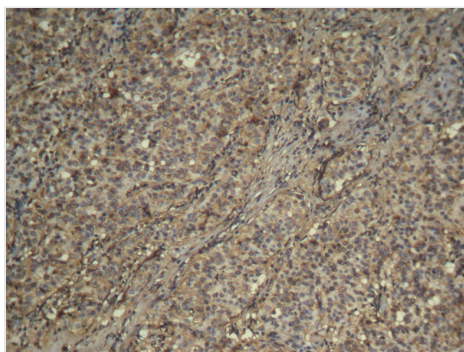
PRODUCT SYNONYMS

CDK4; Polyclonal Antibody; CDK4 Antibody; PSK-J3; CMM3; anti-CDK4 antibody

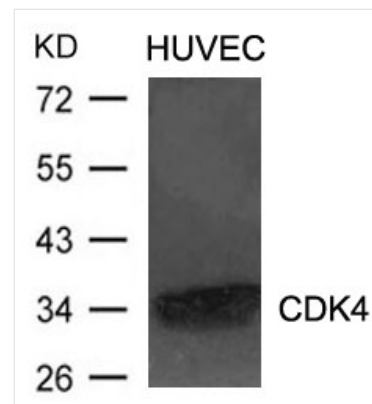
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total CDK4 protein.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	303
Applicable Applications for anti-CDK4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.295~299(L-H-K-D-E)derived from Human CDK4.
Target Name	CDK4
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDK4 Antibody.


WB (Western Blot)

Western blot analysis of extracts from HUVEC cells using CDK4 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK4 antibody	Cyclin-dependent kinase activity is regulated by T-loop phosphorylation (Thr172 in the case of CDK4), by the abundance of their cyclin partners, and by association with CDK inhibitors of the Cip/Kip or INK family of proteins. The inactive ternary complex of CDK4/cyclin D and p27 Kip1/Cip1 requires extracellular mitogenic stimuli for the release and degradation of p27, which affects progression through the restriction point and pRb-dependent entry into S-phase. The active complex of CDK4/cyclin D targets the retinoblastoma protein for phosphorylation, allowing the release of E2F transcription factors that activate G1/S-phase gene expression. In HeLa cells, upon UV irradiation, upregulation of p16 INK4A association with CDK4/cyclin D3 leads to a G2 delay, implicating CDK4/cyclin D3 activity in progression through the G2-phase of the cell cycle.
Product Categories/Family for anti-CDK4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502735
NCBI GeneID	1019
NCBI Accession #	NP_000066.1
NCBI GenBank Nucleotide #	NM_000075.3
UniProt Accession #	P11802; O00576; Q6FG61; B2R9A0; B4DNF9
Molecular Weight	20,725 Da
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
UniProt Protein Name	Cyclin-dependent kinase 4
UniProt Gene Name	CDK4
UniProt Entry Name	CDK4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/cdk4-antibody-immunohistochemistry-western-blot-elisa/308140>