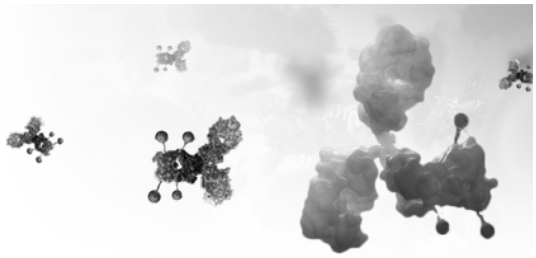

Rabbit Anti-CDK4 monoclonal antibody, clone TE316-2 (CABT-L778)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Cdk4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE316-2
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IP
Molecular Weight	34 kDa
Cellular Localization	Cytoplasm, Nucleus, Membrane.
Positive Control	K562, MCF-7, Hela, AGS, NIH/3T3.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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 the cell cycle by binding to cyclin-Cdk complexes and modulating their activity. Several Cdk proteins have been identified, including Cdk2-Cdk8, PCTAIRE-1-PCTAIRE-3, PITALRE and PITSLRE. Cdk4, in complex with D-type cyclins, is thought to regulate cell growth during the G1 phase of the cell cycle. This association with a D-type cyclin upregulates Cdk4 activity, whereas binding to the Cdk inhibitor p16 downregulates Cdk4 activity. Activation of the Cdk4-cyclin complexes requires phosphorylation on a single threonyl residue of Cdk4, catalyzed by a Cdk-activating protein (CAK).
Keywords	Cdk 4;cdk4;CDK4 protein;CDK4_HUMAN;Cell division kinase 4;Cell division protein kinase 4;CMM 3;CMM3;Crk3;Cyclin dependent kinase 4;Cyclin-dependent kinase 4;Melanoma cutaneous malignant 3;MGC14458;p34 cdk4;PSK J3;PSK-J3 antibody

GENE INFORMATION

Entrez Gene ID	4086

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