CDKN3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDKN3, Polyclonal Antibody
Full Product Name	CDKN3 (C-Term) Rabbit pAb
Product Gene Name	anti-CDKN3 antibody
Product Synonym Names	Cyclin-dependent kinase inhibitor 3; CDK2-associated dual-specificity phosphatase; Cyclin-dependent kinase interactor 1; Cyclin-dependent kinase-interacting protein 2; Kinase-associated phosphatase; CDKN3; CDI1; CIP2; KAP
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB3225
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	phenotype 123832
3D Structure	ModBase 3D Structure for Q16667
Immunogen	This CDKN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-212 amino acids from the C-terminal region of human CDKN3.
Cellular Localization	Cytoplasm
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDKN3 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CDKN3 antibody	WB: 1:1000 IHC: 1:50-100
Related Product Information for anti-CDKN3 antibody	MBS8555000 is an antibody targeting CDKN3. Also known as CDKN3 (C-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CDKN3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDKN3. It may not necessarily be applicable to this product.

NCBI GI #	2499769
NCBI Accession #	Q16667.1
UniProt Primary Accession #	Q16667
NCBI Official Full Name	Cyclin-dependent kinase inhibitor 3

UniProt Protein Name	Cyclin-dependent kinase inhibitor 3
UniProt Synonym Protein Names	CDK2-associated dual-specificity phosphatase; Cyclin-dependent kinase interactor 1; Cyclin-dependent kinase-interacting protein 2; Kinase-associated phosphatase
Protein Family	Cyclin-dependent kinase inhibitor
UniProt Gene Name	CDKN3
UniProt Synonym Gene Names	CDI1; CIP2; KAP
UniProt Entry Name	CDKN3_HUMAN
UniProt Comments for CDKN3	CDKN3: May play a role in cell cycle regulation. Dual specificity phosphatase active toward substrates containing either phosphotyrosine or phosphoserine residues. Dephosphorylates CDK2 at 'Thr-160' in a cyclin-dependent manner. Defects in CDKN3 are found in patients with hepatocellular carcinoma (HCC). Belongs to the protein-tyrosine phosphatase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Protein phosphatase, dual-specificity; EC 3.1.3.16; Cell cycle regulation; EC 3.1.3.48 Chromosomal Location of Human Ortholog: 14q22 Cellular Component: perinuclear region of cytoplasm; cytoplasm Molecular Function: protein binding; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine phosphatase activity; protein serine/threonine phosphatase activity Biological Process: negative regulation of cell proliferation; regulation of cyclin-dependent protein kinase activity; cell cycle arrest; G1/S transition of mitotic cell cycle Disease: Hepatocellular Carcinoma
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