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CKS1B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CKS1B.
Catalog # AT1545a

Product Information

Application	WB, E
Primary Accession	P61024
Other Accession	NM_001826
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	3G8
Calculated MW	9660

Additional Information

Gene ID	1163
Other Names	Cyclin-dependent kinases regulatory subunit 1, CKS-1, CKS1B, CKS1
Target/Specificity	CKS1B (NP_001817, 1 a.a. ~ 79 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CKS1B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

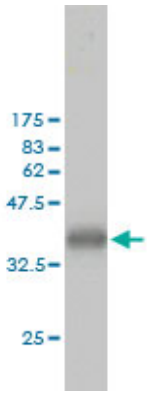
CKS1B protein binds to the catalytic subunit of the cyclin dependent kinases and is essential for their biological function. The CKS1B mRNA is found to be expressed in different patterns through the cell cycle in HeLa cells, which reflects a specialized role for the encoded protein. At least two transcript variants have been identified for this gene, and it appears that only one of them encodes a protein.

References

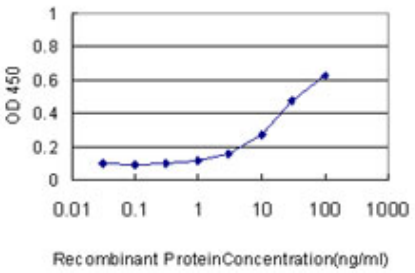
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.CKS1B overexpression implicates clinical aggressiveness of hepatocellular carcinomas but not p27(Kip1) protein turnover: an independent

prognosticator with potential p27 (Kip1)-independent oncogenic attributes? Huang CW, et al. Ann Surg Oncol, 2010 Mar. PMID 19866239.Clinical significance and expression of cyclin kinase subunits 1 and 2 in hepatocellular carcinoma. Shen DY, et al. Liver Int, 2010 Jan. PMID 19845855.CKS proteins protect mitochondrial genome integrity by interacting with mitochondrial single-stranded DNA-binding protein. Radulovic M, et al. Mol Cell Proteomics, 2010 Jan. PMID 19786724.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.43 KDa) .



Detection limit for recombinant GST tagged CKS1B is approximately 3ng/ml as a capture antibody.