Datasheet: VMA00126

BATCH NUMBER 170977

Description:	MOUSE ANTI CDK2
Specificity:	CDK2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	1A6
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click here to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers	0.09% Sodium Azide (NaN_3).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Purified recombinant fragment of human CDK2 expressed in *E. coli*
External Database Links	**UniProt:** P24941 Related reagents **Entrez Gene:** 1017 CDK2 Related reagents
Specificity	**Mouse anti Human CDK2 antibody** recognizes CDK2, also known as cdc2-related protein kinase, cell division protein kinase 2 and p33 protein kinase. The protein encoded by the CDK2 gene is a member of the Ser/Thr protein kinase family. This protein kinase is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1/S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of CDK2 have been reported (provided by RefSeq, Jul 2008). Mouse anti Human CDK2 antibody detects a band of 34 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti CDK2 detects a band of approximately 34 kDa in Jurkat cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00126
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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