

Datasheet: VMA00875

BATCH NUMBER 165671

Description:	MOUSE ANTI CDK13
Specificity:	CDK13
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	46B7-G7
Isotype:	IgG2b
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
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
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	A peptide corresponding to amino acid 1391-1415 of CDK13

External Database**Links****UniProt:**[Q14004](#) [Related reagents](#)**Entrez Gene:**[8621](#) CDK13 [Related reagents](#)

Synonyms

CDC2L, CDC2L5, CHED, KIAA1791

Specificity

Mouse anti Human CDK13 antibody recognizes cyclin-dependent kinase 13 (CDK13), otherwise known as CRK7 and CRKRS

CDK13 is a member of the CDK family of serine/threonine protein kinases which can be divided into two groups, those that regulate the cell cycle and those that regulate transcription ([Paculová and Kohoutek 2017](#)). CDK13 is a regulator of transcription, and can upregulate the expression of genes involved with responses to DNA damage, stress, and heat shock ([Lui et al. 2018](#)). CDK proteins bind to cyclin subunits to activate their functions. CDK13, like CDK12, forms a complex with cyclin K to regulate several cellular processes ([Kohoutek and Blazek 2012](#)). Aberrant levels of CDK13 have been associated with several cancers, including hepatocellular carcinoma (HCC) and colorectal cancer, and may affect tumor progression ([Dong et al. 2018](#)). Targeting CDK13 have been suggested as a treatment for MYC-dependent ovarian cancers ([Zeng et al. 2018](#)).

Western Blotting

Mouse anti CDK13 detects a band of approximately 192 kDa in HEK293 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/VMA00875>
10040

Regulatory

For research purposes only

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

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