

Datasheet: VMA00023

Description:	MOUSE ANTI CDK7
Specificity:	CDK7
Other names:	Cyclin-Dependent Kinase 7
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A/G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant fragment of cdk7 corresponding to a 221 amino acid sequence from the C-terminus
External Database Links	UniProt: P50613 Related reagents Entrez Gene: 1022 CDK7 Related reagents
Synonyms	MO15

Specificity **Mouse anti Human cdk7 antibody** recognizes human cyclin-dependent kinase 7, also known as 39 kDa protein kinase, cell division protein kinase 7, serine/threonine-protein kinase 1 and TFIIH basal transcription factor complex kinase subunit.

Cdk7 is a 346 amino acid member of the [CDC2/CDKX](#) subfamily of serine/threonine family of protein kinases. Cdk7, as part of the [CAK complex](#) is involved with the transcription factor TFIIH and is thought to be involved in the control of cell cycle progression, DNA repair and RNA polymerase II (pol II) transcription. Cdk7 demonstrates ubiquitous nuclear expression in normal tissues and is expressed in cancer tissues ([Bartkova *et al.* 1996](#)).

Mouse anti Human cdk7 recognizes human cyclin-dependent kinase 7 as a single band of ~39 kDa in multiple human cell lysates by western blotting under reducing conditions.

Western Blotting	Anti cdk7 antibody detects a band of approximately 39 kDa in HeLa cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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