

Datasheet: VMA00892

Description:	MOUSE ANTI DEK
Specificity:	DEK
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/2G4
Isotype:	IgG2a
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

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 affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 110-130 of human DEK
External Database Links	<p>UniProt: P35659 Related reagents</p> <p>Entrez Gene: 7913 DEK Related reagents</p>
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti DEK antibody recognizes protein DEK.</p> <p>DEK is a highly-conserved nuclear protein involved with DNA replication, chromatin remodeling, maintenance of chromatin architecture, and mRNA splicing. The gene encoding DEK is an oncogene, and depending on experimental system, loss of DEK has been found to attenuate cell proliferation, cell survival, and chemoresistance (Smith et al. 2017). Accordingly, DEK overexpression is associated with carcinoma cell proliferation and is observed in several solid tumors including breast cancer, melanoma, bladder cancer and retinoblastoma (Çalışkaner et al. 2017). DEK is a regulator of hematopoiesis, controlling numbers and fate decisions of hematopoietic stem and progenitor cells. Intracellular concentrations of DEK are regulated by inflammatory stimuli, and DEK regulates inflammation-induced NF-kappaB activation (Capitano et al. 2017).</p>
Western Blotting	Mouse anti DEK antibody detects a band of approximately 54 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/VMA00892 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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

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