

Datasheet: VMA00892

BATCH NUMBER 100004236

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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 110-130 of human DEK

External Database Links

UniProt:

[P35659](#) [Related reagents](#)

Entrez Gene:

[7913](#) DEK [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti DEK antibody** recognizes protein DEK.

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](#)).

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](#)

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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

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