Datasheet: VMA00345

Description:	MOUSE ANTI NUCLEOSIDE DIPHOSPHATE KINASE A
Specificity:	NUCLEOSIDE DIPHOSPHATE KINASE A
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

Species Cross Reactivity

Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Immunogen

Recombinant human nucleoside diphosphate kinase A

External Database Links

UniProt:
P15531 Related reagents

Entrez Gene:
4830 NME1 Related reagents

Synonyms

NDPKA, NM23

Specificity	**Mouse anti Human nucleoside diphosphate kinase A antibody** recognizes nucleoside diphosphate kinase A, also known as NDP kinase A, granzyme A-activated DNase, metastasis inhibition factor nm23, non-metastatic cells 1 and tumor metastatic process-associated protein. The NME1 gene was identified because of its reduced mRNA transcript levels in highly metastatic cells. Nucleoside diphosphate kinase (NDK) exists as a hexamer composed of 'A' (encoded by NME1) and 'B' (encoded by NME2) isoforms. Mutations in NME1 have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been found for NME1. Co-transcription of NME1 and the neighboring downstream gene (NME2) generates naturally-occurring transcripts (NME1-NME2), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product (provided by RefSeq, Jul 2008). Mouse anti Human nucleoside diphosphate kinase A antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti nucleoside diphosphate kinase A detects a band of approximately 17 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^{o}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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