

Datasheet: VPA00517

Description:	GOAT ANTI NUCLEOSIDE DIPHOSPHATE KINASE A
Specificity:	NUCLEOSIDE DIPHOSPHATE KINASE A
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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

Goat polyclonal antibody purified by affinity chromatography.

Buffer Solution

TRIS buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
0.5% Bovine Serum Albumin.

Immunogen

Peptide sequence DYTSCAQNWIYE

**External Database
Links**

UniProt:

[P15531](#) [Related reagents](#)

Entrez Gene:

[4830](#) NME1 [Related reagents](#)

Synonyms

NDPKA, NM23

Specificity

Goat 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, NM23-H1 or 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 ([Chang et al. 1994](#)). 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).

Goat anti Human nucleoside diphosphate kinase A antibody detects a band of 16 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 16 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 #10058 available at:
<https://www.bio-rad-antibodies.com/SDS/VPA00517>
Antibody (10058)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

**North & South
America** Tel: +1 800 265 7376
 Fax: +1 919 878 3751
 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
 Fax: +44 (0)1865 852 739
 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
 Fax: +49 (0) 89 8090 95 50
 Email: antibody_sales_de@bio-rad.com

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

'M421522:230706'

Printed on 13 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)