

## Datasheet: VPA00517KT

<b>Description:</b>	NUCLEOSIDE DIPHOSPHATE KINASE A ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	NUCLEOSIDE DIPHOSPHATE KINASE A
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 Westerns

### 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](http://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. 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

20µl Goat polyclonal antibody purified by affinity chromatography.

#### Buffer Solution

TRIS buffered saline.

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
0.5% Bovine Serum Albumin.

#### Immunogen

Peptide sequence DYTSCAQNWIYE

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P15531</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">4830</a> NME1 <a href="#">Related reagents</a>
<b>Synonyms</b>	NDPKA, NM23
<b>Specificity</b>	<p><b>Goat anti Human nucleoside diphosphate kinase A antibody</b> 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.</p> <p>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 (<a href="#">Chang et al. 1994</a>). 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).</p> <p>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.</p>
<b>Western Blotting</b>	Anti nucleoside diphosphate kinase A detects a band of approximately 16 kDa in HEK293 cell lysates.
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> .
<b>Lysate Composition</b>	400µg HEK293 lysate lyophilized in RIPA buffer.
<b>Lysate Reconstitution</b>	<ul style="list-style-type: none"> <li>- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</li> <li>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</li> </ul> Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
<b>Guarantee</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10058 #10561 available at:  
Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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**Regulatory**

For research purposes only.

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## 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](mailto:antibody_sales_us@bio-rad.com)

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