

Datasheet: VMA00345KT

Description:	NUCLEOSIDE DIPHOSPHATE KINASE A ANTIBODY WITH CONTROL LYSATE
Specificity:	NUCLEOSIDE DIPHOSPHATE KINASE A
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG2b
Quantity:	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.

	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	20µl 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	<p>UniProt: P15531 Related reagents</p> <p>Entrez Gene: 4830 NME1 Related reagents</p>
Synonyms	NDPKA, NM23

Specificity	<p>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.</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. 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>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.</p>
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.
Lysate Composition	400µg HeLa lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p>
Storage	<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>
Guarantee	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 #10561 available at:</p> <p>Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
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 \(MCA691\)](#)

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
'M337831:181217'

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

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