## Overview

**Product name**  
Anti-NM23A antibody

**Description**  
Rabbit polyclonal to NM23A

**Host species**  
Rabbit

**Tested applications**  
Suitable for: WB, ICC/IF

**Species reactivity**  
Reacts with: Mouse, Human

**Predicted to work with:**  
Rat, Rabbit, Cow, Pig, Monkey

**Immunogen**  
Recombinant fragment, corresponding to a region within amino acids 1-152 of Human NM23A (Uniprot ID: P15531).

**Positive control**  
293T, H1299, HeLa, HepG2, MOLT4, Raji, Mouse brain whole cell lysate; HeLa cells

**General notes**  
Reproducibility is key to advancing scientific discovery and accelerating scientists’ next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

### Properties

**Form**  
Liquid
**Storage instructions**
Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**
pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)

**Purity**
Immunogen affinity purified

**Clonality**
Polyclonal

**Isotype**
IgG

**Applications**

Our **Abpromise guarantee** covers the use of ab154547 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>1/100 - 1/1000.</td>
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</table>

**Target**

**Function**
Major role in the synthesis of nucleoside triphosphates other than ATP. Possesses nucleoside-diphosphate kinase, serine/threonine-specific protein kinase, geranyl and farnesyl pyrophosphate kinase, histidine protein kinase and 3'-5' exonuclease activities. Involved in cell proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression. Required for neural development including neural patterning and cell fate determination.

**Tissue specificity**
Isoform 1 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen and thymus. Expressed in lung carcinoma cell lines but not in normal lung tissues. Isoform 2 is ubiquitously expressed and its expression is also related to tumor differentiation. Isoform 3 is ubiquitously expressed.

**Sequence similarities**
Belongs to the NDK family.

**Cellular localization**
Cytoplasm. Nucleus. Cell-cycle dependent nuclear localization which can be induced by interaction with Epstein-barr viral proteins or by degradation of the SET complex by GzmA.
**Western blot - Anti-NM23A antibody (ab154547)**

- **All lanes**: Anti-NM23A antibody (ab154547) at 1/1000 dilution

- **Lane 1**: HepG2 whole cell lysate
- **Lane 2**: MOLT4 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size**: 17 kDa

12% SDS PAGE

**Western blot - Anti-NM23A antibody (ab154547)**

- Anti-NM23A antibody (ab154547) at 1/1000 dilution + Mouse brain whole cell lysate at 50 µg

**Predicted band size**: 17 kDa

12% SDS PAGE
Immunofluorescent analysis of methanol-fixed HeLa cells labeling NM23A with ab154547 at 1/100 dilution. Lower panel merged with DNA probe.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors