

Product datasheet

Anti-NM23A antibody [EPR3036] ab92327

Recombinant RabMAB

3 Images

Overview

Product name	Anti-NM23A antibody [EPR3036]
Description	Rabbit monoclonal [EPR3036] to NM23A
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, Flow Cyt, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human NM23A aa 1-100. The exact sequence is proprietary.
Positive control	WB: MCF7, A375, HeLa and Jurkat cell lysates IHC-P: Human lung adenocarcinoma tissue
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAB[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab[®] patents](#)

This product is a recombinant rabbit monoclonal antibody.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR3036
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab92327** in the following tested applications.

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

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 17 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Overnight incubation is recommended.
Flow Cyt		Use at an assay dependent concentration.
ICC/IF		1/100.

Application notes Is unsuitable for IP.

Target

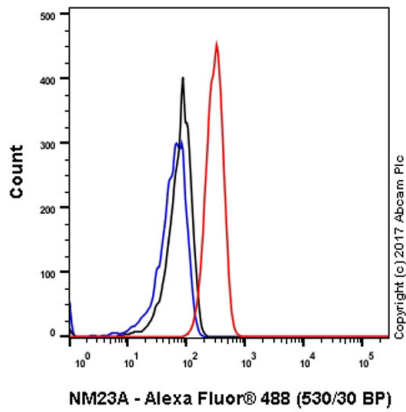
Function Major role in the synthesis of nucleoside triphosphates other than ATP. Possesses nucleoside-diphosphate kinase, serine/threonine-specific protein kinase, geranyl and farnesyl pyrophosphate kinase, histidine protein kinase and 3'-5' exonuclease activities. Involved in cell proliferation, differentiation 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.

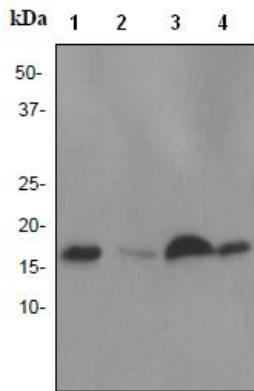
Cellular localization Cytoplasm. Nucleus. Cell-cycle dependent nuclear localization which can be induced by interaction with Epstein-barr viral proteins or by degradation of the SET complex by GzmA.

Images



Flow Cytometry - Anti-NM23A antibody [EPR3036] (ab92327)

Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling NM23A with unpurified ab92327 at 1/50 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti-rabbit IgG (Alexa Fluor® 488)(1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Western blot - Anti-NM23A antibody [EPR3036] (ab92327)

All lanes : Anti-NM23A antibody [EPR3036] (ab92327) at 1/5000 dilution

Lane 1 : MCF-7 cell lysate

Lane 2 : A375 cell lysate

Lane 3 : HeLa cell lysate

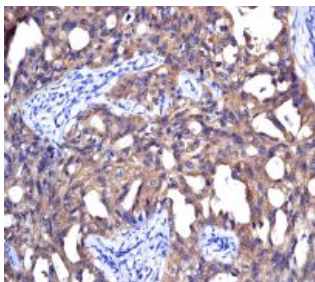
Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NM23A antibody [EPR3036] (ab92327)

ab92327, at a dilution of 1/100, staining NM23A in formalin fixed, paraffin embedded Human lung adenocarcinoma tissue by Immunohistochemistry. Detection: DAB staining

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