Anti-NM23A antibody [EPR10146] ab171935

Overview

Product name: Anti-NM23A antibody [EPR10146]
Description: Rabbit monoclonal [EPR10146] to NM23A
Host species: Rabbit
Tested applications:
Suitable for: WB
Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity:
Reacts with: Human
Does not react with: Mouse, Rat

Immunogen: Recombinant fragment within Human NM23A. The exact sequence is proprietary.
Database link: P15531

Positive control: Recombinant Human NM23A protein (ab87667) can be used as a positive control in WB. Hela, MCF7 and Jurkat cell lysates.

General notes:
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 buffer:
pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

Purity: Tissue culture supernatant
Clonality: Monoclonal
Clone number: EPR10146
Isotype: IgG

Applications
Our Abpromise guarantee covers the use of ab171935 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Application notes**

Is unsuitable for Flow Cyt, ICC/IF or IP.

**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**

![Western blot - Anti-NM23A antibody (EPR10146) (ab171935)](image_url)

**All lanes**: Anti-NM23A antibody [EPR10146] (ab171935) at 1/1000 dilution

**Lane 1**: HeLa cell line lysate

**Lane 2**: MCF7 cell line lysate

**Lane 3**: Jurkat cell line lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes**: Goat ant-rabbit HRP conjugated antibody at 1/500 dilution

Developed using the ECL technique.

**Predicted band size**: 17 kDa
Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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