

Anti-NM23A/NME1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: RP1090-Fluoro594

About NME1

NME1 (NME/NM23 nucleoside diphosphate kinase 1), also called non-metastatic cells 1, protein (NM23A) expressed in, NM23, NM23-H1, NDPKA, GAAD or AWD, is an enzyme that in humans is encoded by the NME1 gene. The promoters of the mouse and human NME1 genes, like those of other NME genes, contain several binding sites for AP2, NF1, Sp1, LEF1, and response elements to glucocorticoid receptors. The NME1 gene is mapped on 17q21.33. Immunofluorescence microscopy demonstrated colocalization of NME1 in nuclei of B cells expressing EBNA3C. Expression of EBNA3C reversed the ability of NME1 to inhibit migration of BL and breast carcinoma cells. NM23H1 bound SET and was released from inhibition by GZMA cleavage of SET. After GZMA loading or cytotoxic T lymphocyte attack, SET and NM23H1 translocated to the nucleus and SET was degraded, allowing NM23H1 to nick chromosomal DNA. Using a Drosophila model system, Dammai et al. (2003) showed that the Drosophila NME1 homolog, awd, regulates trachea cell motility by modulating FGFR levels through a dynamin-mediated pathway.

Overview

Product Name	Anti-NM23A/NME1 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P15531

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NM23A, different from the related mouse and rat sequences by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594

	Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 27330777, Mutation of the nm23-H1 gene has a non-dominant role in colorectal adenocarcinoma

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