

Datasheet for ABIN6940215

**anti-NME2 antibody**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	NME2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant full-length human NME2 protein
Clone:	CPTC-NME2-2
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	NME2
Alternative Name:	NME2 ( <a href="#">NME2 Products</a> )
Background:	The nm23 gene, a potential suppressor of metastasis, was originally identified by differential hybridization between two murine melanoma sub-lines, one with a high and the second with a low metastatic capacity. Highly metastatic sub-lines exhibit much lower levels of nm23 than less metastatic cells. Based on sequence analysis, nm23 appears highly related to nucleotide diphosphate kinases (NDP). In humans, NDP kinases A and B are identical to two isotypes of

## Target Details

human nm23 homologs, namely nm23-H1 and H2, respectively. nm23-H2 is identical in sequence to PuF, a transcription factor that binds to nuclease hypersensitive elements at positions 142 to 115 of the human c-Myc promotor.

Molecular Weight: 17kDa

Gene ID: 4831

UniProt: [P22392](#)

## Application Details

Application Notes: Positive Control: PC3, A549, HeLa, Jurkat cells. Ubiquitously expressed in all tissues.  
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

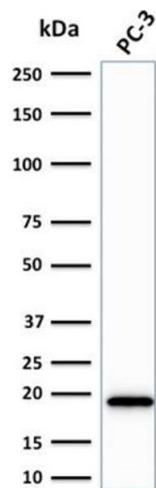
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

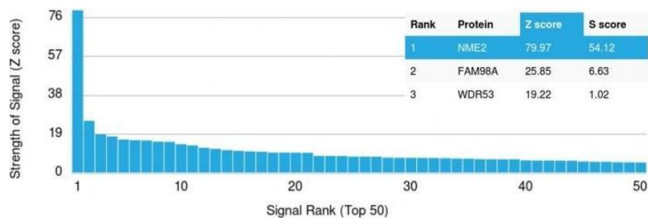
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



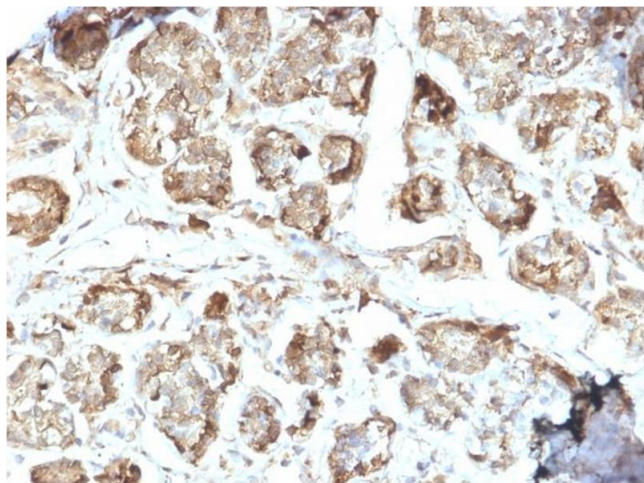
### Western Blotting

**Image 1.** Western Blot Analysis of PC-3 cell lysate using NME2 / nm23-H2 Mouse Monoclonal Antibody (CPTC-NME2-2).



### Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using NME2 / nm23-H2 / NDPK-B Monoclonal Antibody (CPTC-NME2-2). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with NME2 / nm23-H2 Mouse Monoclonal Antibody (CPTC-NME2-2).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940215.