

## Rabbit Nme1 Polyclonal Antibody | anti-NME1 antibody

Nme1 antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                                         | APPLICATIONS           |
|-----------|--------|--------------------------------------------------------------------|------------------------|
| AAA198257 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast | Western Blot, Dot Blot |

### PRODUCT SYNONYMS

Nme1; Polyclonal Antibody; Nme1 antibody - C-terminal region; anti-NME1 antibody

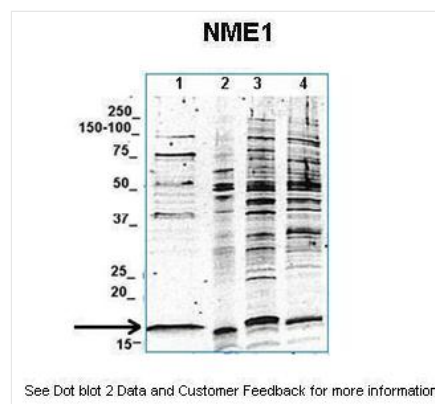
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Yeast                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: NV VKTGRVLMGE TNPADSKPGT IRGDFCIQVG RNIHGSQSV KSAEKEIS                                                   |
| Sequence Length                                | 152                                                                                                                                                   |
| Applicable Applications for anti-NME1 antibody | WB (Western Blot), DB (Dot Blot)                                                                                                                      |
| Homology                                       | Cow: 100%; Dog: 100%; Guinea Pig: 92%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Yeast: 92%                          |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

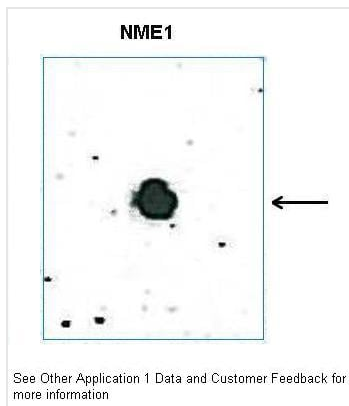
### IMAGES


**WB (Western Blot)**

WB Suggested Anti-Nme1 Antibody Titration: 1.0 ug/ml Positive Control: Mouse Liver


**WB (Western Blot)**

Lanes: 1. 20 ug human MDA-MB-231 cell lysate 2. 20 ug murine 4T1 primary breast tumor cell lysate 3. 20 ug human MDA-MB-231 cell lysate 4. 20 ug murine 4T1 primary breast tumor cell lysate  
Primary Antibody Dilution: 1:2000 Secondary Antibody: Goat anti-rabbit-Alexa Fluor 680  
Secondary Antibody Dilution: 1:25,000 Gene Name: Nme1 Submitted by: Anonymous



DB (Dot Blot)  
 DB Suggested Anti-Nme1 antibody Titration: 0.5 ug/ml Positive Control: Recominant human NME2 protein

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NME1 antibody | <p>This is a rabbit polyclonal antibody against Nme1. It was validated on Western Blot</p> <p>Target Description: Nme1 has a major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate. It possesses nucleoside-diphosphate kinase, serine/threonine-specific protein kinase, geranyl and farnesyl pyrophosphate kinase, histidine protein kinase and 3'-5' exonuclease activities. It is involved in cell proliferation, differentiation and development, signal transduction, G protein-coupled receptor endocytosis, and gene expression. It is required for neural development including neural patterning and cell fate determination.</p> |
| Product Categories/Family for anti-NME1 antibody   | <p>Polyclonal; Drugs and Drug Metabolism; Neuroscience; Phosphorylation; Cell Differentiation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 37700232                                 |
| NCBI GeneID                      | 18102                                    |
| NCBI Accession #                 | NP_032730                                |
| NCBI GenBank Nucleotide #        | NM_008704                                |
| UniProt Accession #              | P15532                                   |
| Molecular Weight                 | 17kDa                                    |
| NCBI Official Full Name          | nucleoside diphosphate kinase A          |
| NCBI Official Synonym Full Names | NME/NM23 nucleoside diphosphate kinase 1 |
| NCBI Official Symbol             | Nme1                                     |
| NCBI Official Synonym Symbols    | NM23A; NDPK-A; NM23-M1; AL024257         |
| NCBI Protein Information         | nucleoside diphosphate kinase A          |
| UniProt Protein Name             | Nucleoside diphosphate kinase A          |
| UniProt Gene Name                | Nme1                                     |
| UniProt Synonym Gene Names       | Nm23; NDK A; NDP kinase A                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

