

Product datasheet for TA501112

NME4 Mouse Monoclonal Antibody [Clone ID: OTI1C11]

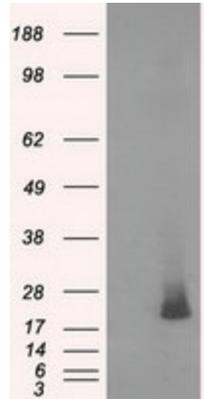
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1C11 |
| Applications: | FC, IF, IHC, WB |
| Recommend Dilution: | WB 1:2000, IHC 1:50, IF 1:100, Flow 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human NME4 (NP_005000) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.68 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Predicted Protein Size: | 20.6 kDa |
| Gene Name: | NME/NM23 nucleoside diphosphate kinase 4 |
| Database Link: | NP_005000 Entrez Gene 4833 Human |
| Background: | The nucleoside diphosphate (NDP) kinases (EC 2.7.4.6) are ubiquitous enzymes that catalyze transfer of gamma-phosphates, via a phosphohistidine intermediate, between nucleoside and dioxynucleoside tri- and diphosphates. The enzymes are products of the nm23 gene family, which includes NME4. |
| Synonyms: | NDPK-D; nm23-H4; NM23H4 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Metabolic pathways, Purine metabolism, Pyrimidine metabolism |

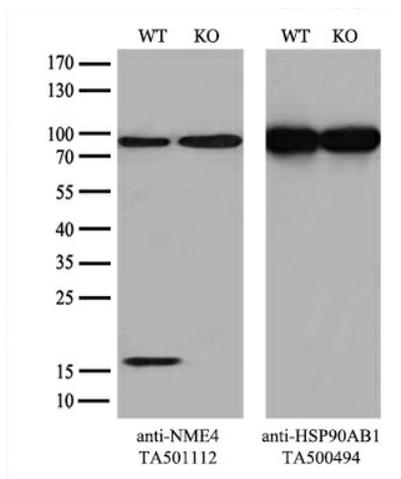


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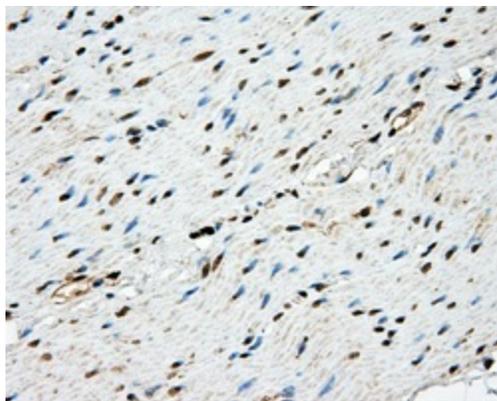
Product images:



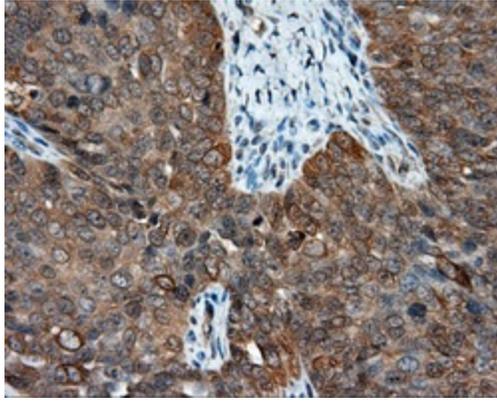
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NME4 ([RC202603], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NME4. Positive lysates [LY401559] (100ug) and [LC401559] (20ug) can be purchased separately from OriGene.



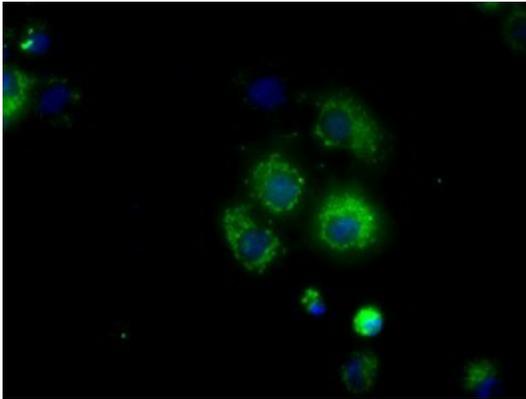
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HEK293T cells (WT, Cat# LC810293T) and NME4-Knockout HEK293T cells (KO, Cat# [LC870008]) were separated by SDS-PAGE and immunoblotted with anti-NME4 monoclonal antibody TA501112 (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



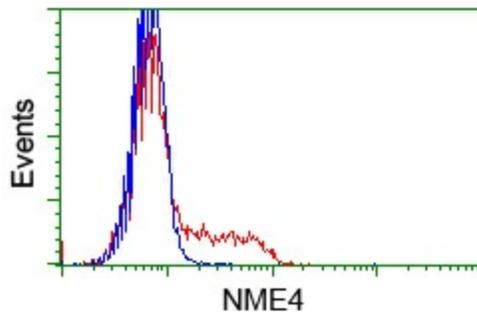
Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-NME4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501112, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue using anti-NME4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501112, Dilution 1:50)



Anti-NME4 mouse monoclonal antibody (TA501112) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NME4 ([RC202603]).



HEK293T cells transfected with either pCMV6-ENTRY NME4 ([RC202603]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-NME4 mouse monoclonal (TA501112), and then analyzed by flow cytometry.