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Product datasheet for TA501141

NME4 Mouse Monoclonal Antibody [Clone ID: OTI4F10]

Product data:

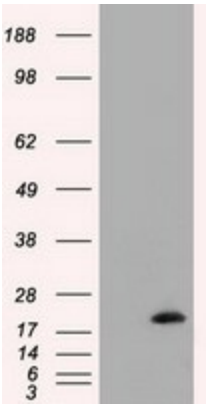
Product Type:	Primary Antibodies
Clone Name:	OTI4F10
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NME4 (NP_005000) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.62 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20.6 kDa
Gene Name:	NME/NM23 nucleoside diphosphate kinase 4
Database Link:	NP_005000 Entrez Gene 4833 Human O00746
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

View online »

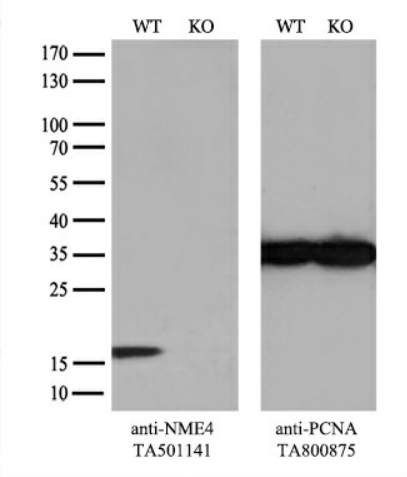
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism

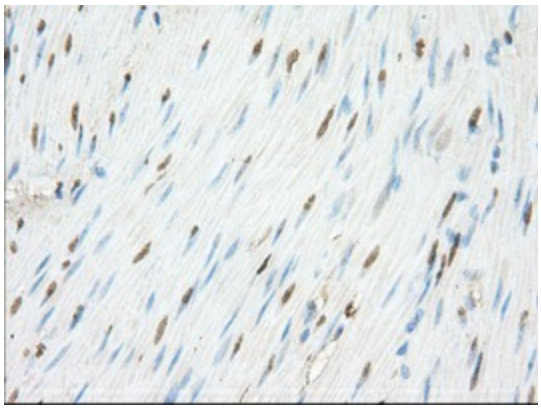
Product images:



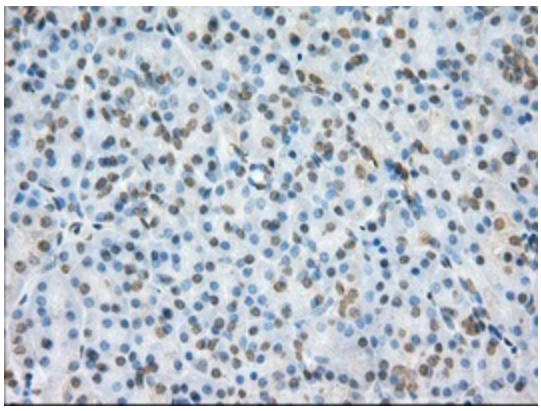
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NME4 ([RC202603], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NME4. Positive lysates [LY401559] (100ug) and [LC401559]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



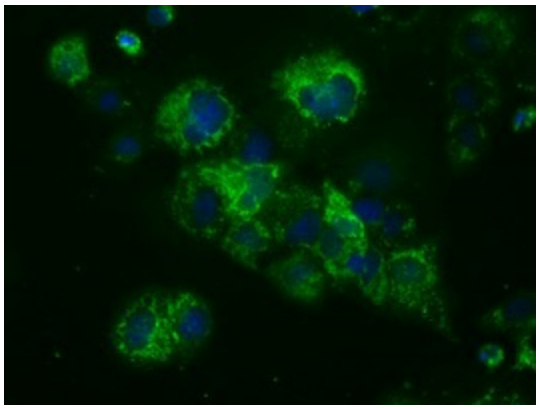
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HEK293T cells (WT, Cat# LC810293T) and NME4-Knockout HEK293T cells (KO, Cat# [LC870008]) were separated by SDS-PAGE and immunoblotted with anti-NME4 monoclonal antibody TA501141 (1:500). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



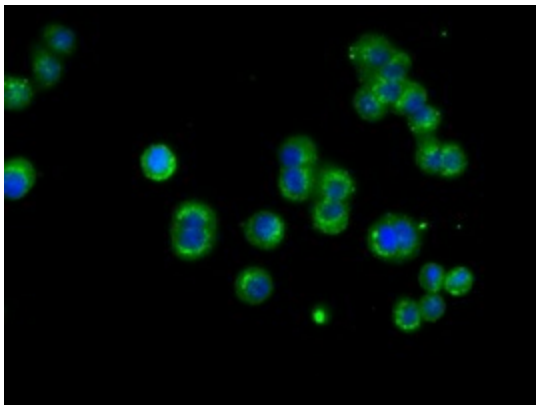
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-NME4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501141, Dilution 1:50)



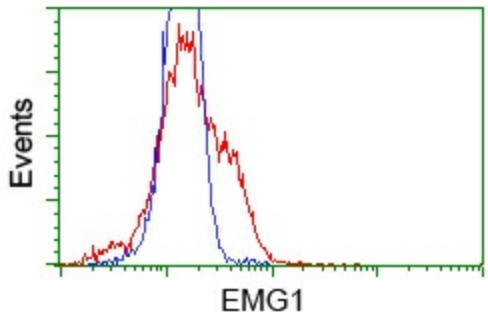
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NME4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501141, Dilution 1:50)



Anti-NME4 mouse monoclonal antibody (TA501141) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NME4 ([RC202603]).



Immunofluorescent staining of HT29 cells using anti-NME4 mouse monoclonal antibody (TA501141).



HEK293T cells transfected with either [RC202603] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NME4 antibody (TA501141), and then analyzed by flow cytometry.