PMEPA1 / TMEPAI (Tumor Suppressor Oncoprotein) Antibody

Mouse Monoclonal Antibody [Clone PMEPA1/2696]

Catalog No	Format	Size
56937-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
56937-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
56937-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

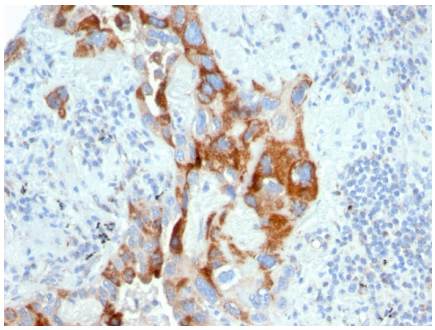
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

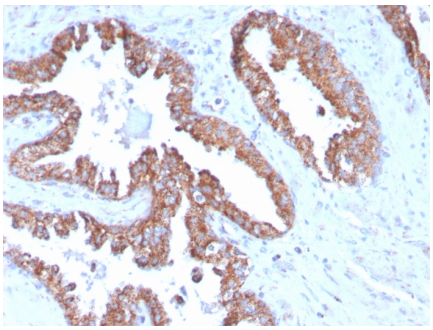
Clone	PMEPA1/2696
Gene Name	PMEPA1
Immunogen	Recombinant full-length human PMEPA1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	32kDa
Cellular Localization	Early endosome membrane, Golgi apparatus membrane
Species Reactivity	Human
Positive Control	Human prostate, breast or renal cell carcinoma tissue (IHC).

**Optimal dilution for a specific application should be determined.*

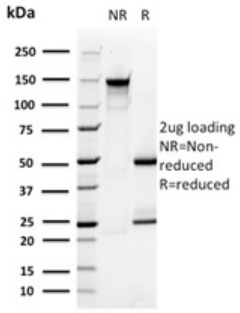
Product Images for PMEPA1 / TMEPAI (Tumor Suppressor Oncoprotein) Antibody



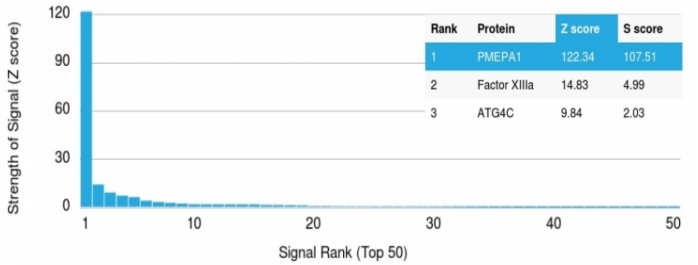
Formalin-fixed, paraffin-embedded human colon carcinoma stained with PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2696).



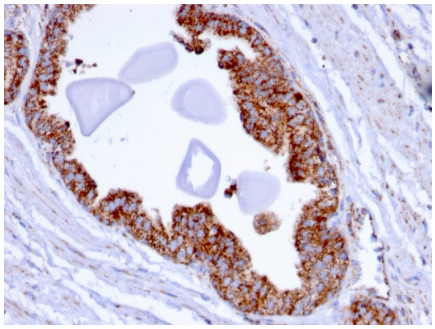
Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2696).



SDS-PAGE Analysis Purified PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2696). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2696). 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 HuProtTM 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 HuProtTM 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.



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2696).

Specificity & Comments

PMEPA1 (prostate transmembrane protein, androgen induced 1 is a 287 amino acid single-pass membrane protein that contains WW-binding motifs and localizes to the cell membrane. Expressed at high levels in prostate, kidney and ovary, PMEPA1 interacts with NEDD4 and may play a role in regulating AR (androgen receptor) levels, specifically in prostate cells. Down regulation of PMEPA1 is observed in prostate tumors, suggesting that PMEPA1 may exhibit activity as a tumor suppressor. Overexpression of this protein may play a role in multiple types of cancer.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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