

Mouse anti-Human PMEPA1/TMEPAI Monoclonal Antibody | anti-PMEPA1 antibody

PMEPA1/TMEPAI (Tumor Suppressor Oncoprotein)

CATALOG # AAA214801	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

PMEPA1/TMEPAI; Monoclonal Antibody; PMEPA1/TMEPAI (Tumor Suppressor Oncoprotein); PMEPA; PMEPA1; Prostate transmembrane protein; androgen induced 1; Solid tumor-associated 1 protein; STAG1; TMEPAI; Transmembrane prostate androgen-induced protein; Transmembrane; prostate androgen induced RNA; anti-PMEPA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 / Kappa
Clone Number	PMEPA1/2696
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide
Applicable Applications for anti-PMEPA1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human PMEPA1 protein
Research Areas	Signal Transduction
Cellular Localization	Early endosome membrane, Golgi apparatus membrane
Positive Control	Human prostate, breast or renal cell carcinoma tissue (IHC).
Preparation and Storage	Antibody with azide - store at 2 to 8°C. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using 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 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.



SDS_PAGE

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



IHC (Immunohistochemisry)

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



IHC (Immunohiostchemistry)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

References	Xu, L.L., et al. 2000. A novel androgen-regulated gene, PMEPA1, located on chromosome 20q13 exhibits high-level expression in prostate. Genomics 66: 257-263.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	56937
UniProt Accession #	Q96W9; Q969W9
Molecular Weight	32kDa
NCBI Official Synonym Full Names	prostate transmembrane protein, androgen induced 1
NCBI Official Symbol	PMEPA1
NCBI Official Synonym Symbols	STAG1; TMEPAI
NCBI Protein Information	protein TMEPAI

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pmepa1-tmepai-antibody-clone-pmepa1-2696-immunohistochemistry-elisa/214801>