Mouse PMEPA1/TMEPAI Monoclonal Antibody | anti-PMEPA1 antibody

PMEPA1/TMEPAI (Tumor Suppressor Oncoprotein)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214803	**Mouse**	**Human. Others not known.**	**Immunohistochemistry**

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. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	PMEPA1/2698
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 at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-PMEPA1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human PMEPA1 protein
Positive Control	SKBR-3 Cells. Prostate, Breast or Renal Cell Carcinoma
Cellular Localization	Cell Surface and Cytoplasmic
Chromosome Location	20q13.31
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. 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 (PMEPA1/2698).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.

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2698).

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.

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

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pmepa1-tmepai-antibody-clone-pmepa1-2698-immunohistochemistry-elisa/214803