

Rabbit PMEPA1 Polyclonal Antibody | anti-PMEPA1 antibody

PMEPA1 Antibody

CATALOG # AAA40854	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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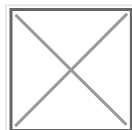
PRODUCT SYNONYMS

PMEPA1; Polyclonal Antibody; PMEPA1 Antibody; Prostate transmembrane protein androgen induced 1; STAG1; TMEPAI; anti-PMEPA1 antibody

PRODUCT SPECIFICATIONS

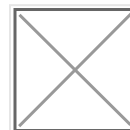
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PMEPA1 antibody is human, mouse and rat reactive. At least four isoforms are known to exist; this antibody will detect all of the isoforms.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	287
Applicable Applications for anti-PMEPA1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	PMEPA1 antibody was raised against a 16 amino acid peptide near the center of human PMEPA1.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	A549 Cell Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of PMEPA1 in human prostate tissue with PMEPA1 antibody at 2.5 &#956;g/ml.



WB (Western Blot)

Western blot analysis of PMEPA1 in A549 cell lysate with PMEPA1 antibody at 1 &#956;g/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PMEPA1 antibody	The prostate transmembrane protein, androgen induced 1 (PMEPA1) protein is a transmembrane protein that contains a Smad interacting motif (SIM) (1,2). Expression of this gene is induced by androgens and transforming growth factor beta, and the encoded protein suppresses the androgen receptor and transforming growth factor beta signaling pathways through interactions with Smad proteins (3). Overexpression of this gene may play a role in multiple types of cancer (2,4).
Product Categories/Family for anti-PMEPA1 antibody	Cancer; Signal Transduction
References	Xu LL, Shanmugam N, Segawa T, et al. A novel androgen-regulated gene, PMEPA1, located on chromosome 20q13 exhibits high level expression in prostate. Genomics 2000; 66:257-63. Rae FK, Hooper JD, Nicol DL, et al. Characterization of a novel gene, STAG1/PMEPA1, upregulated in renal cell carcinoma and other solid tumors. Mol. Carcinog. 2001; 32:44-53. Watanabe Y, Itoh S, Goto T, et al. TMEPAI, a transmembrane TGF-beta-inducible protein, sequesters Smad proteins from active participation in TGF-beta signaling. Mol. Cell 2010; 37:123-34. Vo Nguyen TT, Watanabe Y, Shiba A, et al. TMEPAI/PMEPA1 enhances tumorigenic activities in lung cancer cells. Cancer Sci. 2014; 105:334-41.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361841
NCBI GeneID	56937
NCBI Accession #	NP_064567
NCBI GenBank Nucleotide #	NM_020182.4
UniProt Accession #	Q969W9; Q5TDR6; Q8NER4; Q96B72; Q9UJD3
Molecular Weight	Predicted: 26, 28, 32 kDa Observed: 27 kDa
NCBI Official Full Name	protein TMEPAI isoform a
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
UniProt Protein Name	Protein TMEPAI
UniProt Gene Name	PMEPA1
UniProt Synonym Gene Names	STAG1; TMEPAI
UniProt Entry Name	PMEPA_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pmepa1-antibody-immunohistochemistry-western-blot-elisa/40854>