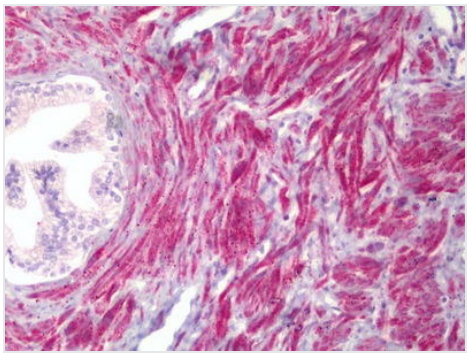
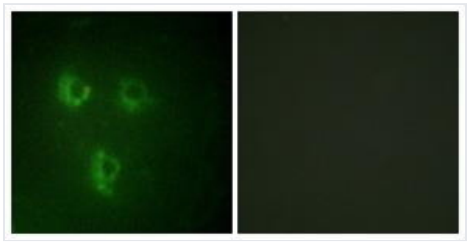
PMEPA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

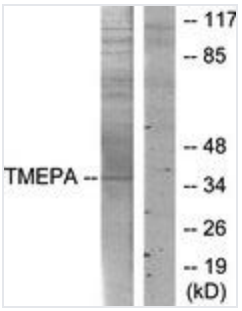
Product Name	PMEPA1, Polyclonal Antibody
Full Product Name	PMEPA1, ID (Transmembrane Prostate Androgen-induced Protein, Solid Tumor-associated 1 Protein, STAG1, TMEPAI)
Product Gene Name	anti-PMEPA1 antibody
Product Synonym Names	Anti -PMEPA1, ID (Transmembrane Prostate Androgen-induced Protein, Solid Tumor-associated 1 Protein, STAG1, TMEPAI)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS (without Mg2+, Ca2+), pH 7.4, 150mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human PMEPA1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	31,609 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (56223448..56286592, complement). Location: 20q13.31-q13.33
OMIM	606564
3D Structure	ModBase 3D Structure for Q969W9
Immunogen	Synthetic peptide corresponding to human TMEPA.
Product Categories/Family for anti-PMEPA1 antibody	Antibodies; Abs to Membrane Proteins
Applications Tested/Suitable for anti-PMEPA1 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-PMEPA1 antibody	Suitable for use in ELISA, Western Blot, Immunofluorescence and Immunohistochemistry. Dilution: ELISA: 1:20,000 Western Blot: 1:500-1:1000 Immunofluorescence: 1:100-1:500 Immunohistochemistry (Formalin fixed paraffin embedded): 10ug/ml
Related Product Information for anti-PMEPA1 antibody	Involved in down-regulation of the androgen receptor (AR). Enhances ubiquitination and proteasome-mediated degradation of AR, probably by recruiting NEDD4.
Other Notes	Small volumes of anti-PMEPA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PMEPA1 purchase	MBS6008877 is an antibody targeting PMEPA1. Also known as PMEPA1, ID (Transmembrane Prostate Androgen-induced Protein, Solid Tumor-associated 1 Protein, STAG1, TMEPAI). Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-PMEPA1 antibody
Human Prostate, Smooth Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence (IF) of anti-PMEPA1 antibody
Immunofluorescence analysis of HuvEc cells, using TMEPA Antibody. The picture on the right is treated with the synthesized peptide.



Western Blot (WB) of anti-PMEPA1 antibody
Western blot analysis of extracts from HT-29 cells, using TMEPA Antibody. The lane on the right is treated with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PMEPA1. It may not necessarily be applicable to this product.

NCBI GI #	9255809
NCBI GeneID	56937
NCBI Accession #	AAF86322.1
UniProt Primary Accession #	Q969W9
UniProt Secondary Accession #	Q5TDR6; Q8NER4; Q96B72; Q9UJD3
UniProt Related Accession #	Q969W9
NCBI Official Full Name	PMEPA1 protein
NCBI Official Synonym Full Names	prostate transmembrane protein, androgen induced 1
NCBI Official Symbol	PMEPA1
NCBI Official Synonym Symbols	STAG1; TMEPAI
UniProt Protein Name	Transmembrane prostate androgen-induced protein
UniProt Synonym Protein Names	Solid tumor-associated 1 protein
Protein Family	Protein
UniProt Gene Name	PMEPA1
UniProt Synonym Gene Names	STAG1; TMEPAI
UniProt Entry Name	PMEPA_HUMAN
NCBI Protein Information	transmembrane prostate androgen-induced protein; solid tumor-associated 1 protein; transmembrane, prostate androgen induced RNA

NCBI Summary for PMEPA1	This gene encodes a transmembrane protein that contains a Smad interacting motif (SIM). 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 though interactions with Smad proteins. Overexpression of this gene may play a role in multiple types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
UniProt Comments for PMEPA1	TMEPAI: Involved in down-regulation of the androgen receptor (AR). Enhances ubiquitination and proteasome-mediated degradation of AR, probably by recruiting NEDD4. Belongs to the PMEPA1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 20q13.31-q13.33 Cellular Component: Golgi membrane; early endosome membrane; plasma membrane; integral to membrane; endosome membrane Molecular Function: protein binding; WW domain binding Biological Process: transforming growth factor beta receptor signaling pathway; androgen receptor signaling pathway; negative regulation of transforming growth factor beta receptor signaling pathway
Research Articles on PMEPA1	**1.** Differentially expressed genes were identified, including E-cadherin, IL-8 and STAG1/PMEPA1 in an androgen-independent prostate cancer PC3 subclone.
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