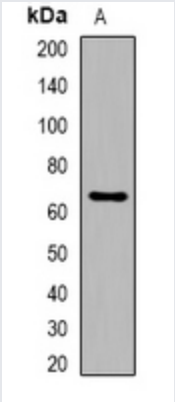
PMEPA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PMEPA1, Polyclonal Antibody
Full Product Name	Anti-PMEPA1 Antibody
Product Gene Name	anti-PMEPA1 antibody
Product Synonym Names	STAG1; TMEPAI; Transmembrane prostate androgen-induced protein; Solid tumor-associated 1 protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by affinity chromatography.
Specificity	Recognizes endogenous levels of PMEPA1 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	PMEPA1 peptide (MBS8248026) is used for blocking the activity of PMEPA1 antibody (MBS8248314)
Molecular Weight	26,201 Da
OMIM	606564
3D Structure	ModBase 3D Structure for Q969W9
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PMEPA1. The exact sequence is proprietary.
Applications Tested/Suitable for anti-PMEPA1 antibody	Western Blot (WB)
Application Notes for anti-PMEPA1 antibody	WB: 1/500 - 1/2000
Related Product Information for anti-PMEPA1 antibody	MBS8248314 is an antibody targeting PMEPA1. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to PMEPA1
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.



Western Blot (WB) of anti-PMEPA1 antibody
Western blot analysis of PMEPA1 expression in 22RV1 (A), Hela (B), HepG2 (C) whole cell lysates.

ADDITIONAL DETAILS

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

NCBI GI #	364023812
NCBI GeneID	56937
NCBI Accession #	NP_001242905.1
UniProt Primary Accession #	Q969W9
UniProt Secondary Accession #	Q5TDR6; Q8NER4; Q96B72; Q9UJD3
UniProt Related Accession #	Q969W9
GenBank Nucleotide #	NM_001255976.1
NCBI Official Full Name	protein TMEPAI isoform d
NCBI Official Synonym Full Names	prostate transmembrane protein, androgen induced 1
NCBI Official Symbol	PMEPA1
NCBI Official Synonym Symbols	STAG1; TMEPAI
UniProt Protein Name	Protein TMEPAI
UniProt Synonym Protein Names	Prostate transmembrane protein androgen induced 1; Solid tumor-associated 1 protein; Transmembrane prostate androgen-induced protein
Protein Family	Protein
UniProt Gene Name	PMEPA1
UniProt Synonym Gene Names	STAG1; TMEPAI
UniProt Entry Name	PMEPA_HUMAN
NCBI Protein Information	protein TMEPAI
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: early endosome membrane; endosome membrane; Golgi membrane; intracellular membrane-bound organelle; nucleoplasm; plasma membrane Molecular Function: protein binding; WW domain binding Biological Process: negative regulation of transforming growth factor beta receptor signaling pathway
Research Articles on PMEPA1	**1.** these data elaborated on the diverse activity among TCF/LEF family members with respect to the transcriptional regulation of the TMEPAI gene.
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