

Rabbit anti-Human, Mouse PMEPA1 Polyclonal Antibody | anti-PMEPA1 antibody

PMEPA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324085	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PMEPA1; Polyclonal Antibody; PMEPA1 Antibody; PMEPA_HUMAN; Prostate transmembrane protein; androgen induced 1; Solid tumor associated 1 protein; Solid tumor-associated 1 protein; STAG1; TMEPAI; Transmembrane prostate androgen induced protein; Transmembrane prostate androgen-induced protein; Transmembrane; prostate androgen induced RNA; anti-PMEPA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	PMEPA1 Antibody detects endogenous levels of total PMEPA1.
Purity/Purification	Peptide affinity purification
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PMEPA1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PMEPA1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



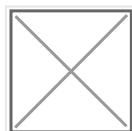
IHC (Immunohistochemistry)

AAA324085 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from HT-29 cells, using TMEPA antibody.



IF (Immunofluorescence)

AAA324085 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PMEPA1 antibody	Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal (PubMed:20129061, PubMed:24627487).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	364023812
NCBI GeneID	56937
NCBI Accession #	NP_001242905.1
NCBI GenBank Nucleotide #	NM_001255976.1
UniProt Accession #	Q969W9; Q5TDR6; Q8NER4; Q96B72; Q9UJD3
Molecular Weight	37 KD
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
NCBI Protein Information	protein TMEPAI
UniProt Protein Name	Protein TMEPAI
UniProt Gene Name	PMEPA1
UniProt Synonym Gene Names	STAG1; 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/polyclonal/pmepa1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324085>