

PMEPA1 Polyclonal Antibody
Catalog # AP71983**Specification****PMEPA1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q969W9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

PMEPA1 Polyclonal Antibody - Additional Information**Gene ID** 56937**Other Names**

PMEPA1; STAG1; TMEPAI; Transmembrane prostate androgen-induced protein; Solid tumor-associated 1 protein

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

PMEPA1 Polyclonal Antibody - Protein Information**Name** PMEPA1**Synonyms** STAG1, TMEPAI**Function**

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). Also involved in down-regulation of the androgen receptor (AR), enhancing ubiquitination and proteasome-mediated degradation of AR, probably by recruiting NEDD4 (PubMed:18703514).

target="_blank">18703514).

Cellular Location

Early endosome membrane; Single-pass membrane protein. Golgi apparatus membrane; Single-pass membrane protein

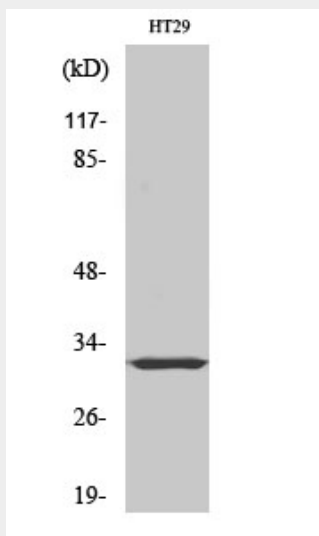
Tissue Location

Highest expression in prostate. Also expressed in ovary

PMEPA1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PMEPA1 Polyclonal Antibody - Images



PMEPA1 Polyclonal Antibody - Background

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