

TMEPAI Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TMEPAI.

Catalog # AT4265a

Specification

TMEPAI Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q969W9
Other Accession	BC015918
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	31609

TMEPAI Antibody (monoclonal) (M01) - Additional Information

Gene ID 56937

Other Names

Protein TMEPAI, Prostate transmembrane protein androgen induced 1, Solid tumor-associated 1 protein, Transmembrane prostate androgen-induced protein, PMEPA1, STAG1, TMEPAI

Target/Specificity

TMEPAI (AAH15918, 181 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB ~ 1:500 ~ 1000

Format

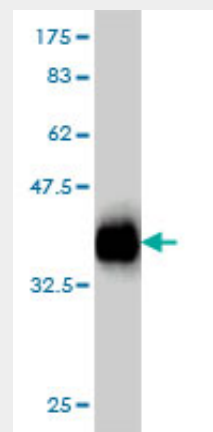
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

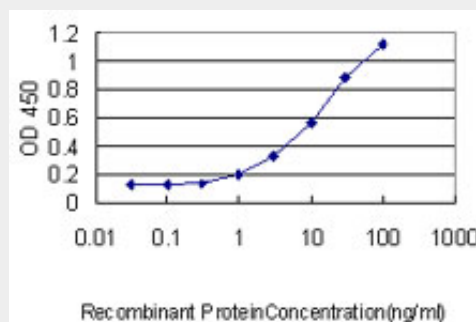
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

TMEPAI Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged TMEPAI is approximately 1ng/ml as a capture antibody.

TMEPAI Antibody (monoclonal) (M01) - References

1. Mutation or Loss of p53 Differentially Modifies TGF β Action in Ovarian Cancer
Hainmhire E, Quartuccio SM, Cheng W, Ahmed RA, King SM, Burdette JE PLoS One. 2014 Feb 20;9(2):e89553. doi: 10.1371/journal.pone.0089553. eCollection 2014.2. TMEPAI regulates EMT in lung cancer cells by modulating the ROS and IRS-1 signaling pathways. Hu Y, He K, Wang D, Yuan X, Liu Y, Ji H, Song J Carcinogenesis. 2013 Apr

**TMEPAI Antibody (monoclonal) (M01) -
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](#)

24.3. Identification of two distinct carcinoma-associated fibroblast subtypes with differential tumor-promoting abilities in oral squamous cell carcinoma. Costea DE, Hills A, Osman AH, Thurlow J, Kalna G, Huang X, Pena Murillo C, Parajuli H, Suliman S, Keerthi KK, Johannessen AC, Partridge M. Cancer Res. 2013 Apr 18;73(16):4783-92.

4. Transforming Growth Factor- β (TGF- β)-Inducible Gene TMEPAI Converts TGF- β from a Tumor Suppressor to a Tumor Promoter in Breast Cancer. Singha PK, Yeh IT, Venkatachalam MA, Saikumar P. Cancer Res. 2010 Jul 7. [Epub ahead of print].

5. TMEPAI, a Transmembrane TGF- β -Inducible Protein, Sequesters Smad Proteins from Active Participation in TGF- β Signaling. Watanabe Y, Itoh S, Goto T, Ohnishi E, Inamitsu M, Itoh F, Satoh K, Wiercinska E, Yang W, Shi L, Tanaka A, Nakano N, Mommaas AM, Shibuya H, Ten Dijke P, Kato M. Mol Cell. 2010 Jan 15;37(1):123-34.

6. A feedback loop between the androgen receptor and a NEDD4 binding protein, PMEPA1 in prostate cancer cells. Li H, Xu LL, Masuda K, Raymundo E, McLeod DG, Dobi A, Srivastava S. J Biol Chem. 2008 Oct 24;283(43):28988-95. Epub 2008 Aug 14.

7. High level expression of STAG1/PMEPA1 in an androgen-independent prostate cancer PC3 subclone. Hirokawa YS, Takagi A, Uchida K, Kozuka Y, Yoneda M, Watanabe M, Shiraishi T. Cell Mol Biol Lett. 2007 Feb 17; [Epub ahead of print].