

Product Datasheet

TMEPAI Antibody (2A12) - Azide and BSA Free H00056937-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 13

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H00056937-M01

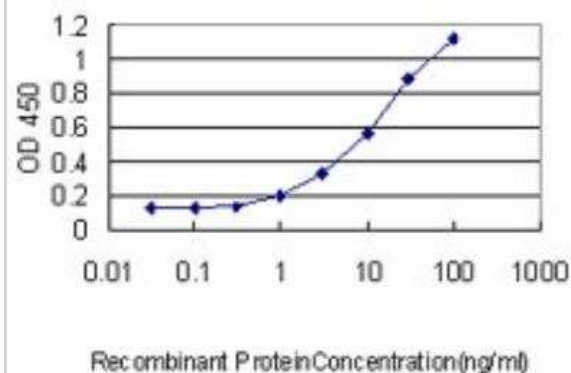
TMEPAI Antibody (2A12) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A12
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse TMEPAI Antibody (2A12) - Azide and BSA Free (H00056937-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-TMEPAI Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	56937
Gene Symbol	PMEPA1
Species	Human, Mouse, Rat
Specificity/Sensitivity	TMEPAI - transmembrane, prostate androgen induced RNA
Immunogen	TMEPAI (AAH15918, 181 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. NRTIFDSLMD SARLGGPCPPSSNSGISATCYGSGGRMEGPPPTYSEVIGHYP GSSFQHQSSGPPSLLEGTRLHHTHIAPLESAAIWSKEKDKQKGHPL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactive against recombinant protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control.



Images

ELISA: TMEPAI Antibody (2A12) [H00056937-M01] - Detection limit for recombinant GST tagged TMEPAI is approximately 1ng/ml as a capture antibody.



Publications

Singha P, Pandeswara S, Geng H et al. Increased Smad3 and reduced Smad2 levels mediate the functional switch of TGF- β from growth suppressor to growth and metastasis promoter through TMEPAI/PMEPA1 in triple negative breast cancer. *Genes Cancer*. 2019-06-27 [PMID: 31798766]

Oh S, Shin S, Song H et al. Relationship between ETS Transcription Factor ETV1 and TGF- β -regulated SMAD Proteins in Prostate Cancer. *Sci Rep*. 2019-06-03 [PMID: 31160676]

Sharad S, Sztupinszki Z, Chen Y et al. Analysis of PMEPA1 Isoforms (a and b) as Selective Inhibitors of Androgen and TGF- β Signaling Reveals Distinct Biological and Prognostic Features in Prostate Cancer. *Cancers (Basel)*. 2019-12-12 [PMID: 31842254]

Kumar P, Sharad S, Petrovics G et al. Loss of miR-449a in ERG-associated prostate cancer promotes the invasive phenotype by inducing SIRT1. *Oncotarget* 2016-04-19 [PMID: 26988912] (WB)

Li H, Mohamed AA, Sharad S et al. Silencing of PMEPA1 accelerates the growth of prostate cancer cells through AR, NEDD4 and PTEN. *Oncotarget* 2015-06-20 [PMID: 25883222] (WB)

Costea DE, Hills A, Osman AH et al. Identification of two distinct carcinoma-associated fibroblast subtypes with differential tumor-promoting abilities in oral squamous cell carcinoma. *Cancer Res*. 2013-04-18 [PMID: 23598279]

Hu Y, He K, Wang D et al. TMEPAI regulates EMT in lung cancer cells by modulating the ROS and IRS-1 signaling pathways. *Carcinogenesis*. 2013-04-24 [PMID: 23615405]

O Hainmhire E, Quartuccio SM, Cheng W et al. Mutation or Loss of p53 Differentially Modifies TGF β Action in Ovarian Cancer *PLoS One*. 2014-02-20 [PMID: 24586866]

Singha PK, Pandeswara S, Geng H et al. TGF- β induced TMEPAI/PMEPA1 inhibits canonical Smad signaling through R-Smad sequestration and promotes non-canonical PI3K/Akt signaling by reducing PTEN in triple negative breast cancer. *Genes Cancer*. 2014-09-01 [PMID: 25352949]

Singha PK, Yeh IT, Venkatachalam MA et al. Transforming Growth Factor- β (TGF- β)-Inducible Gene TMEPAI Converts TGF- β from a Tumor Suppressor to a Tumor Promoter in Breast Cancer. *Cancer Res*. 2010-07-07 [PMID: 20610632]

Watanabe Y, Itoh S, Goto T et al. TMEPAI, a transmembrane TGF- β -inducible protein, sequesters Smad proteins from active participation in TGF- β signaling. *Mol Cell* 37(1):123-34. 2010-01-15 [PMID: 20129061]

Li H, Xu LL, Masuda K et al. A feedback loop between the rogen receptor a NEDD4 binding protein, PMEPA1 in prostate cancer cells. *J Biol Chem*;283(43):28988-95. 2008-10-24 [PMID: 18703514]

More publications at <http://www.novusbio.com/H00056937-M01>



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Products Related to H00056937-M01

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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