

For Research Use Only

# PMEPA1 Polyclonal antibody

Catalog Number: 16521-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 16521-1-AP	<b>GenBank Accession Number:</b> BC015918	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 650 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56937	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> prostate transmembrane protein, androgen induced 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 287 aa, 32 kDa	
<b>Immunogen Catalog Number:</b> AG9744	<b>Observed MW:</b> 32-36 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : L02 cells, U2OS cells IHC : human stomach cancer tissue, IF : PC-3 cells,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PMEPA1, also known as TMEPA1, was first discovered as androgen inducible gene in hormone responsive LNCaP cells. PMEPA1 is highly expressed in various solid tumors and is known to play important roles in the transforming growth factor- $\beta$  (TGF- $\beta$ ) signaling pathway (PMID: 27697531).

## Notable Publications

Author	Pubmed ID	Journal	Application
Dongxu Qiu	34777336	Front Immunol	WB,IHC
Masaru Koido	27697531	Biochem Biophys Res Commun	WB
Morgane Morabito	31328883	EMBO Mol Med	WB

## Storage

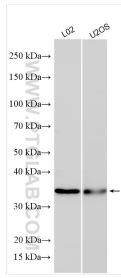
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

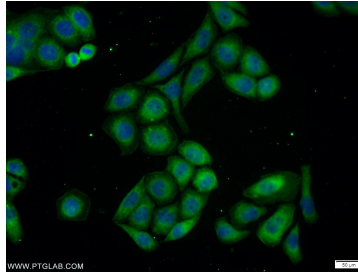
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

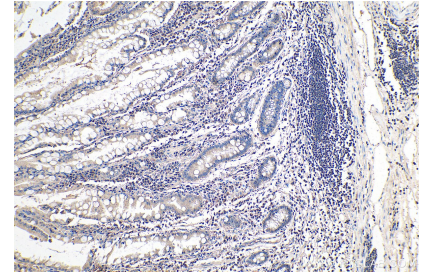
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16521-1-AP (PMEPA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of PC-3 cells using 16521-1-AP (PMEPA1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16521-1-AP (PMEPA1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).