

For Research Use Only

TMEM111 Monoclonal antibody

Catalog Number: 67205-1-Ig

Featured Product

5 Publications



Basic Information

Catalog Number: 67205-1-Ig	GenBank Accession Number: BC022807	Purification Method: Protein A purification
Size: 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55831	CloneNo.: 2F8G5
Source: Mouse	Full Name: transmembrane protein 111	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgG1	Calculated MW: 261 aa, 30 kDa	
Immunogen Catalog Number: AG18365	Observed MW: 30 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IP, WB

Species Specificity:

Human, mouse, rat, pig

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HeLa cells, human heart tissue, pig heart tissue, rat heart tissue, mouse heart tissue, HepG2 cells, Jurkat cells, HSC-T6, NIH/3T3 cells, 4T1 cells

IHC : mouse lung tissue,

Background Information

TMEM111, also names as EMC3, is part of the endoplasmic reticulum-associated secretory pathway (PMID: 19797678). TMEM111 was required for murine pulmonary surfactant synthesis and lung function at birth (PMID: 29083321). It can be detect a band of 30 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Alina Guna	36264797	Science	WB
Tino Pleiner	33964204	Mol Cell	IP
Katharine R Page	38076791	bioRxiv	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

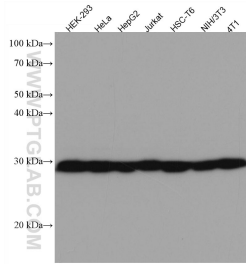
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

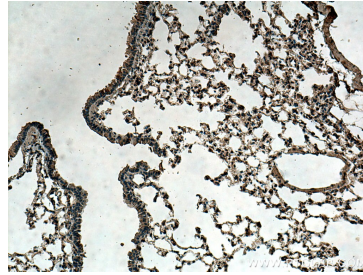
E: proteintech@ptglab.com
W: ptglab.com

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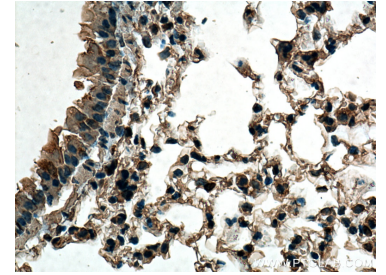
Selected Validation Data



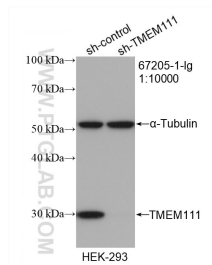
Various lysates were subjected to SDS PAGE followed by western blot with 67205-1-Ig (TMEM111 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 67205-1-Ig (TMEM111 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 67205-1-Ig (TMEM111 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of TMEM111 antibody (67205-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM111 transfected HEK-293 cells.