

For Research Use Only

TMEM111 Polyclonal antibody

Catalog Number: 24645-1-AP

Featured Product



Basic Information

Catalog Number:

24645-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18236

GenBank Accession Number:

BC022807

GeneID (NCBI):

55831

UNIPROT ID:

Q9POL2

Full Name:

transmembrane protein 111

Calculated MW:

261 aa, 30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

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: A431 cells, HEK-293 cells, HuH-7 cells, MDA-MB-453s cells, NIH/3T3 cells, mouse brain tissue, mouse stomach tissue, mouse testis tissue, rat brain tissue

IHC: human intrahepatic cholangiocarcinoma tissue, human ovary cancer tissue

IF/ICC: A431 cells,

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.

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

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

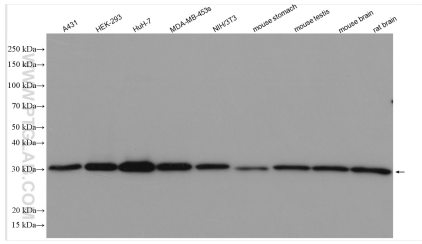
T: 4006900926

E: Proteintech-CN@ptglab.com

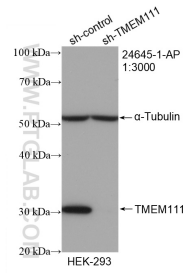
W: ptgcn.com

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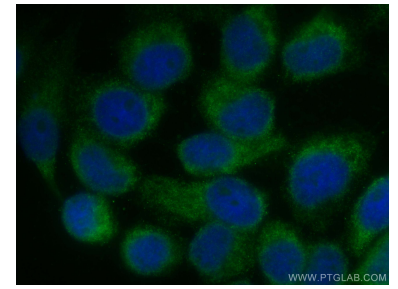
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24645-1-AP (TMEM111 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



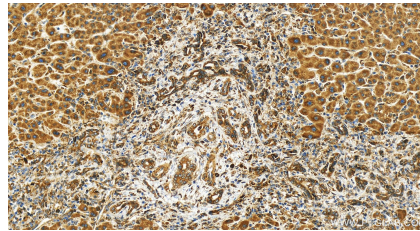
WB result of TMEM111 antibody (24645-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM111 transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using TMEM111 antibody (24645-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 24645-1-AP (TMEM111 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 24645-1-AP (TMEM111 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).