

For Research Use Only

TMED9 Polyclonal antibody

Catalog Number: 21620-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 21620-1-AP	GenBank Accession Number: BC001123	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 54732	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: transmembrane emp24 protein transport domain containing 9	IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG	Calculated MW: 235 aa, 27 kDa	
Immunogen Catalog Number: AG13813	Observed MW: 24-27 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
CoIP, IF, IHC, WB

Species Specificity:
human, mouse, rat, pig

Cited Species:
human, mouse

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: HepG2 cells, L02 cells, pig liver tissue, mouse lung tissue, mouse pancreas tissue, mouse brain tissue, mouse liver tissue, rat liver tissue

IP: mouse liver tissue,

IHC: human liver tissue,

IF: HepG2 cells, HEK-293 cells

Background Information

TMED9 (also named as GMP25, GP25L2 or p25) is a member of the EMP24/GP25L family. TMED9 probably forms hetero-oligomeric complexes with TMED7 (p27), TMED2 (p24), and TMED10 (p23) (PMID: 10359607). Located in the endoplasmic reticulum and the Golgi, TMED9 appears to be involved in vesicular protein trafficking, mainly in the early secretory pathway (PMID: 9472029; 10359607).

Notable Publications

Author	Pubmed ID	Journal	Application
Shulin Li	34561617	Cell Res	WB, CoIP
Xihua Yue	34493279	BMC Biol	WB
Gaoda Ju	34635011	Bioengineered	WB, IHC

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

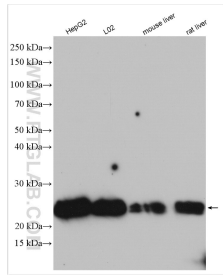
For technical support and original validation data for this product please contact:

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

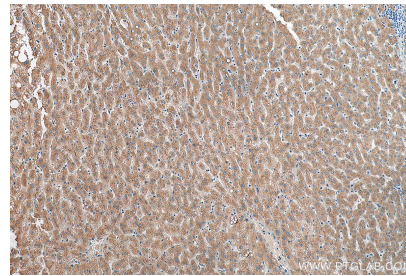
E: proteintech@ptglab.com
W: ptglab.com

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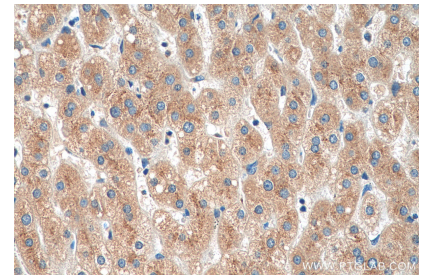
Selected Validation Data



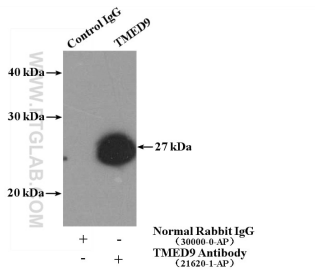
Various lysates were subjected to SDS PAGE followed by western blot with 21620-1-AP (TMED9 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



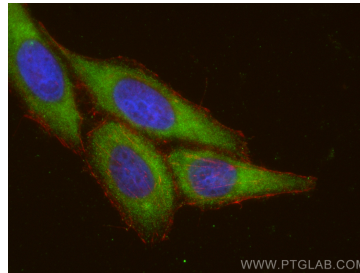
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21620-1-AP (TMED9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21620-1-AP (TMED9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TMED9 (IP:21620-1-AP, 4ug; Detection:21620-1-AP 1:500) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TMED9 antibody (21620-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).