

For Research Use Only

TMED1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87837-1-PBS



Basic Information

Catalog Number: 87837-1-PBS	GenBank Accession Number: NM_006858	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 11018	CloneNo.: 253497F4
Isotype: IgG	UNIPROT ID: Q13445	
Immunogen Catalog Number: EG5903	Full Name: transmembrane emp24 protein transport domain containing 1	
	Calculated MW: 25 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

Transmembrane p24 trafficking protein 1 (TMED1) belongs to the TMED protein family, also known as the p24 family, and plays a part in protein vesicular trafficking. As the critical regulator of protein trafficking along the secretory pathway, the TMED proteins influence the composition, structure, and function of the endoplasmic reticulum and the Golgi apparatus. Disruption of the secretory pathway could affect cell differentiation and survival, ultimately resulting in disease. (PMID: 38392302)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

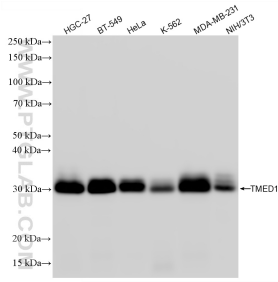
T: 4006900926

E: Proteintech-CN@ptglab.com

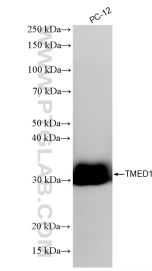
W: ptgcn.com

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

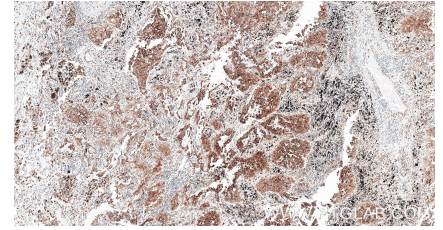
Selected Validation Data



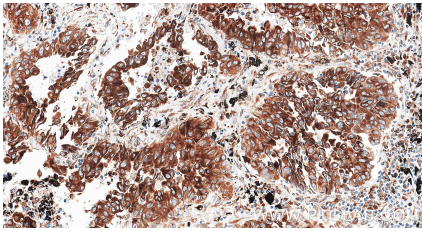
Various lysates were subjected to SDS PAGE followed by western blot with 87837-1-RR (TMED1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87837-1-PBS in a different storage buffer formulation.



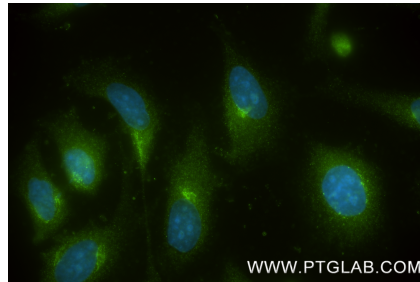
PC-12 cells were subjected to SDS PAGE followed by western blot with 87837-1-RR (TMED1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87837-1-PBS in a different storage buffer formulation.



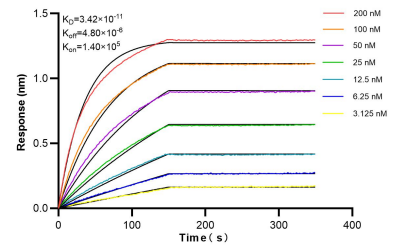
Immunohistochemical analysis of paraffin-embedded Human lung cancer (Adenocarcinoma) slide using 87837-1-RR (TMED1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87837-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Human lung cancer (Adenocarcinoma) slide using 87837-1-RR (TMED1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87837-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using TMED1 antibody (87837-1-RR, Clone: 253497F4) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87837-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87837-1-RR against Human TMED1 were performed. The affinity constant is 34.2 pM.