

For Research Use Only

# Biotin-conjugated TMED1 Recombinant monoclonal antibody

Catalog Number: Biotin-87837



## Basic Information

|                                                         |                                                                         |                                                |
|---------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------|
| Catalog Number:<br>Biotin-87837                         | GenBank Accession Number:<br>NM_006858                                  | Purification Method:<br>Protein A purification |
| Size:<br>100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI):<br>11018                                                 | CloneNo.:<br>253497F4                          |
| Source:<br>Rabbit                                       | UNIPROT ID:<br>Q13445                                                   | Recommended Dilutions:<br>IHC: 1:50-1:500      |
| Isotype:<br>IgG                                         | Full Name:<br>transmembrane emp24 protein transport domain containing 1 |                                                |
| Immunogen Catalog Number:<br>EG5903                     | Calculated MW:<br>25 kDa                                                |                                                |

## Applications

|                                                                                                                                                      |                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Tested Applications:<br>IHC                                                                                                                          | Positive Controls:<br>IHC : Human lung cancer Adenocarcinoma , |
| Species Specificity:<br>human                                                                                                                        |                                                                |
| <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

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

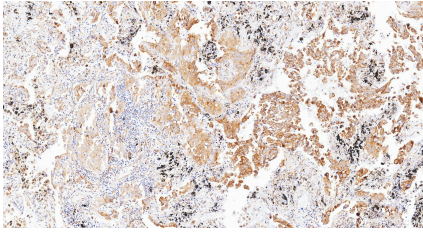
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Human lung cancer (Adenocarcinoma) slide using Biotin-87837 (TMED1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).