

For Research Use Only

# TMEM97 Recombinant monoclonal antibody

Catalog Number: 86837-1-RR



## Basic Information

<b>Catalog Number:</b> 86837-1-RR	<b>GenBank Accession Number:</b> BC045655	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27346	<b>CloneNo.:</b> 251796B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5BJF2	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 97	
<b>Immunogen Catalog Number:</b> AG34803	<b>Observed MW:</b> 19-20 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HEK-293T cells, MCF-7 cells, BT-549 cells, Caco-2 cells, mouse testis tissue
<b>Species Specificity:</b> human, mouse	

## Background Information

Transmembrane protein 97 (TMEM97) is an endoplasmic reticulum (ER)-residing protein that belongs to the EXPERA domain-containing family whose function is overall understudied. TMEM97 is also linked to cholesterol homeostasis, Niemann-Pick disease, Alzheimer disease, and neuropathic pain. Intriguingly, TMEM97 was recently unveiled to be the sigma-2 receptor (S2R), an enigmatic drug-binding site that had been pharmaceutically targeted for decades in treating psychotic disorders. (PMID: 39995975, PMID: 38290642)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

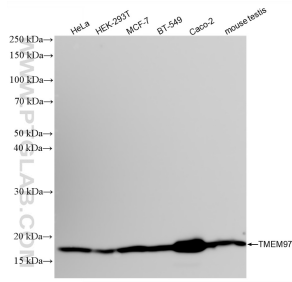
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86837-1-RR (TMEM97 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.