

For Research Use Only

# TMEM132E Recombinant antibody

Catalog Number: 82983-2-RR



## Basic Information

<b>Catalog Number:</b> 82983-2-RR	<b>GenBank Accession Number:</b> NM_001304438	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 124842	<b>CloneNo.:</b> 230525E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6IEE7	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 132E	
<b>Immunogen Catalog Number:</b> AG26772	<b>Calculated MW:</b> 116 kDa	
	<b>Observed MW:</b> 116 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells,
<b>Species Specificity:</b> Human	

## Background Information

Transmembrane protein 132E (TMEM132E) is a member of the TMEM132 family which also include TMEM132A, TMEM132B, TMEM132C, TMEM132D (PMID: 29088312). The gene of TMEM132E is located within the DFNB99 locus on chromosome 17q12 and is highly expressed in the inner ear and other tissues including brain, kidney, lung, liver, spleen, heart, small intestine, colon, thymus, and stomach (PMID: 31656313). A variant of TMEM132E has been associated with autosomal-recessive nonsyndromic hearing loss DFNB99 (PMID: 25331638).

## 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:

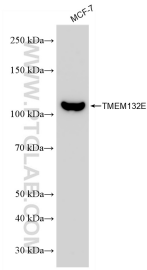
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

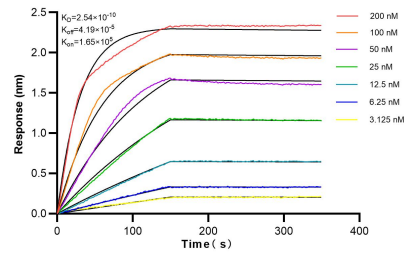
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## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 82983-2-RR (TMEM132E antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82983-2-RR against Human TMEM132E were performed. The affinity constant is 0.254 nM.