

For Research Use Only

# TMEM38B Polyclonal antibody

Catalog Number: 32251-1-AP



## Basic Information

<b>Catalog Number:</b> 32251-1-AP	<b>GenBank Accession Number:</b> BC000049	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 400 ug/ml	<b>GeneID (NCBI):</b> 55151	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NVV0	
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 38B	
<b>Immunogen Catalog Number:</b> AG37754	<b>Calculated MW:</b> 291 aa, 33 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, HepG2 cells, LNCaP cells, MCF-7 cells
<b>Species Specificity:</b> human	

## Background Information

TMEM38B encodes endoplasmic reticulum membrane monovalent cation-specific channel which is involved in the release of calcium (Ca<sup>2+</sup>) from intracellular stores. TMEM38B, also known as TRIC-B, is one of the two trimeric intracellular cation (TRIC) channels. TRIC-B deficiency causes bone disease due to defective Ca<sup>2+</sup> release and signaling in the bone cells. (PMID: 34036147, PMID: 39385871)

## 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:

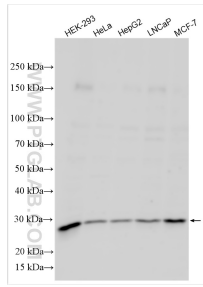
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32251-1-AP (TMEM38B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.