

# TMEM9B Polyclonal antibody

Catalog Number: 24331-1-AP

## Basic Information

<b>Catalog Number:</b> 24331-1-AP	<b>GenBank Accession Number:</b> BC040124	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 850 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56674	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> TMEM9 domain family, member B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 198 aa, 23 kDa	
<b>Immunogen Catalog Number:</b> AG19383	<b>Observed MW:</b> 23 kDa, 35 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, rat, mouse	<b>WB :</b> rat liver tissue, mouse colon tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human colon cancer tissue,

## Background Information

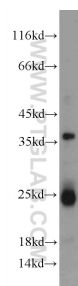
TMEM9B, also termed as Transmembrane protein 9B encodes a 198 amino-acid protein that contains an N-terminal signal peptide, a single transmembrane region, three potential N-glycosylation sites, and three conserved cys-rich domains in the N-terminus. There is a dimer form of TMEM9B protein (PMID: 12359240). TMEM9B mRNA is expressed in a wide range of tissues and cells. TMEM9B is a lysosomal transmembrane protein that regulates the activity of inflammatory signaling pathways.

## Storage

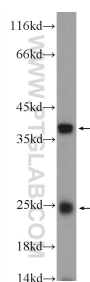
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

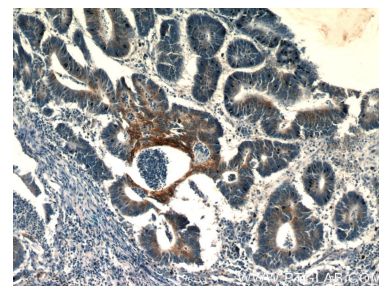
## Selected Validation Data



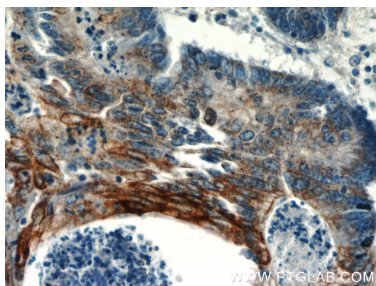
rat liver tissue were subjected to SDS PAGE followed by western blot with 24331-1-AP (TMEM9B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



mouse colon tissue were subjected to SDS PAGE followed by western blot with 24331-1-AP (TMEM9B Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 24331-1-AP (TMEM9B Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 24331-1-AP (TMEM9B Antibody) at dilution of 1:50.