

## **TMEM109 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57727

## **Specification**

# **TMEM109 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q9BVC6</u>

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 23 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human TMEM109

Epitope Specificity 151-243/243

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus outer membrane. Endoplasmic

reticulum membrane. Sarcoplasmic

reticulum membrane.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

### TMEM109 Polyclonal Antibody - Additional Information

## **Gene ID** 79073

## **Other Names**

Transmembrane protein 109, Mitsugumin-23, Mg23, TMEM109

## **Dilution**

<span class ="dilution\_WB">WB $\sim$ 1:1000/span><br/>class

="dilution\_IHC-P">IHC-P $\sim$ N/A</span><br \><span class

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br \><span class ="dilution\_ICC">ICC $\sim$ N/A</span><br \><span class ="dilution\_E">E $\sim$ N/A</span>

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#### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.



# TMEM109 Polyclonal Antibody - Protein Information

Name TMEM109 (HGNC:28771)

#### **Function**

Functions as a voltage-gated monoatomic cation channel permeable to both potassium and calcium (By similarity). Plays a role in the cellular response to DNA damage (PubMed:<a href="http://www.uniprot.org/citations/23542032" target="\_blank">23542032</a>).

#### **Cellular Location**

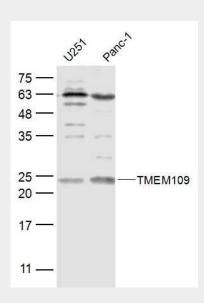
Nucleus outer membrane {ECO:0000250|UniProtKB:O77751}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O77751}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:O77751}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O77751}. Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:O77751}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O77751}

# **TMEM109 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# TMEM109 Polyclonal Antibody - Images



## Sample:

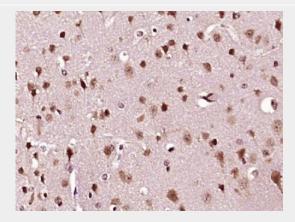
. U251(Human) Cell Lysate at 40 ug Panc-1(Human) Cell Lysate at 40 ug



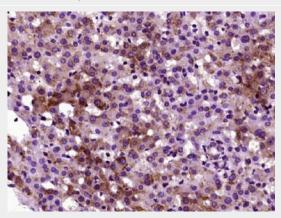
Primary: Anti-TMEM109 (bs-10196R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 23 kD Observed band size: 23 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM109) Polyclonal Antibody, Unconjugated (bs-19950R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM109) Polyclonal Antibody, Unconjugated (bs-19950R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.