

TMEM63C antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13037**Specification**

TMEM63C antibody - middle region - Product Information

Application	WB
Primary Accession	O9P1W3
Other Accession	NM_020431 , NP_065164
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93kDa kDa

TMEM63C antibody - middle region - Additional Information**Gene ID** 57156**Alias Symbol** **C14orf171****Other Names**

Calcium permeable stress-gated cation channel 1, Transmembrane protein 63C, TMEM63C, C14orf171, CSC1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TMEM63C antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TMEM63C antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TMEM63C antibody - middle region - Protein Information**Name** TMEM63C ([HGNC:23787](#))**Function**

Acts as an osmosensitive calcium-permeable cation channel (PubMed:24503647). Required for the functional integrity of the kidney glomerular filtration barrier (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8CBX0}; Multi-pass membrane protein

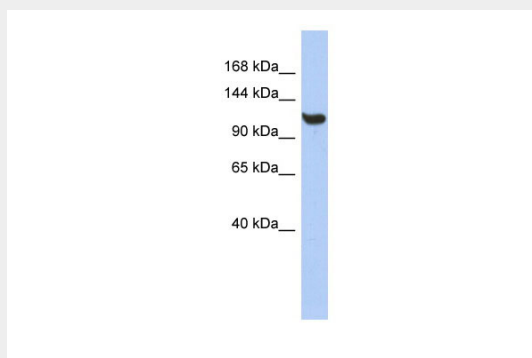
Tissue Location

Expressed in podocytes of kidney glomeruli (PubMed:30900988). Significantly reduced expression in patients with focal segmental glomerulosclerosis (PubMed:30900988)

TMEM63C antibody - middle region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TMEM63C antibody - middle region - Images

WB Suggested Anti-TMEM63C Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: THP-1 cell lysate

TMEM63C antibody - middle region - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).
Heilig R., et al. Nature 421:601-607(2003).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Li W.B., et al. Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Bechtel S., et al. BMC Genomics 8:399-399(2007).