

# TMTC1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12987

## Product Information

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|--------------------------|-------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                      |
| <b>Primary Accession</b> | <a href="#">Q8IUR5</a>                                                  |
| <b>Other Accession</b>   | <a href="#">NM_175861</a> , <a href="#">NP_787057</a>                   |
| <b>Reactivity</b>        | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine          |
| <b>Predicted</b>         | Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine |
| <b>Host</b>              | Rabbit                                                                  |
| <b>Clonality</b>         | Polyclonal                                                              |
| <b>Calculated MW</b>     | 98847                                                                   |

## Additional Information

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| <b>Gene ID</b>                      | 83857                                                                                                                                                                                          |
| <b>Alias Symbol</b>                 | ARG99, FLJ31400, FLJ41625, OLF, TMTC1A                                                                                                                                                         |
| <b>Other Names</b>                  | Transmembrane and TPR repeat-containing protein 1, TMTC1                                                                                                                                       |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                              |
| <b>Reconstitution &amp; Storage</b> | Add 50 ul of distilled water. Final anti-TMTC1 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. |
| <b>Precautions</b>                  | TMTC1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                               |

## Protein Information

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| <b>Name</b>              | TMTC1 ( <a href="#">HGNC:24099</a> )                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>          | Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. The 4 members of the TMTC family are O-mannosyl- transferases dedicated primarily to the cadherin superfamily, each member seems to have a distinct role in decorating the cadherin domains with O-linked mannose glycans at specific regions. Also acts as O- mannosyl-transferase on other proteins such as PDIA3. |
| <b>Cellular Location</b> | Membrane; Multi-pass membrane protein. Endoplasmic reticulum                                                                                                                                                                                                                                                                                                                                            |

## References

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Shen M.Q.,et al.Submitted (SEP-2009) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Yanqiu Z.,et al.Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.  
Mishra M.,et al.FEBS Lett. 586:3018-3023(2012).

## Images

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WB Suggested Anti-TMTC1 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:312500  
Positive Control: Human Spleen

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.