

**Transmembrane Protein 43 Rabbit mAb**  
**Catalog # AP76183****Specification****Transmembrane Protein 43 Rabbit mAb - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q9BTV4</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	44876

**Transmembrane Protein 43 Rabbit mAb - Additional Information****Gene ID** 79188**Other Names**  
TMEM43**Dilution**  
WB~~1/500-1/1000  
IHC-P~~N/A**Format**  
Liquid**Transmembrane Protein 43 Rabbit mAb - Protein Information****Name** TMEM43**Function**

May have an important role in maintaining nuclear envelope structure by organizing protein complexes at the inner nuclear membrane. Required for retaining emerin at the inner nuclear membrane (By similarity). Plays a role in the modulation of innate immune signaling through the cGAS-STING pathway by interacting with RNF26 (PubMed:[32614325](http://www.uniprot.org/citations/32614325)). In addition, functions as a critical signaling component in mediating NF-kappa-B activation by acting downstream of EGFR and upstream of CARD10 (PubMed:[27991920](http://www.uniprot.org/citations/27991920)). Contributes to passive conductance current in cochlear glia-like supporting cells, mediated by gap junctions and necessary for hearing and speech discrimination (PubMed:[34050020](http://www.uniprot.org/citations/34050020)).

**Cellular Location**

Endoplasmic reticulum membrane. Nucleus inner membrane; Multi-pass membrane protein. Cell membrane Note=Retained in the inner nuclear membrane through interaction with EMD and A- and B-lamins. The N- and C-termini are oriented towards the nucleoplasm. The majority of the hydrophilic domain resides in the endoplasmic reticulum lumen (By similarity).

**Tissue Location**

Highest expression in placenta. Also found at lower levels in heart, ovary, spleen, small intestine, thymus, prostate and testis.

**Transmembrane Protein 43 Rabbit mAb - 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](#)

**Transmembrane Protein 43 Rabbit mAb - Images**

