

Transmembrane Protein 43 Rabbit mAb

Catalog # AP76183

Specification

Transmembrane Protein 43 Rabbit mAb - Product Information

Application WB, IHC-P
Primary Accession Q9BTV4
Reactivity Human, Rat
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 44876

Transmembrane Protein 43 Rabbit mAb - Additional Information

Gene ID 79188

Other Names TMEM43

DilutionWB~~1/500-1/1000
IHC-P~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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). 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). Contributes to passive conductance current in cochlear glia-like supporting cells, mediated by gap junctions and necessary for hearing and speech discrimination (PubMed:34050020).

Cellular Location

Endoplasmic reticulum membrane. Nucleus inner membrane; Multi-pass membrane protein. Cell





Tel: 858.875.1900 Fax: 858.875.1999

membrane Note=Retained in the inner nuclear membrane through interaction with EMD and Aand 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Transmembrane Protein 43 Rabbit mAb - Images







