

Transmembrane Protein 43 Rabbit mAb

Catalog # AP76183

Specification

Transmembrane Protein 43 Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IHC-P <u>Q9BTV4</u> Human, Rat Rabbit

Monoclonal Antibody

44876

Transmembrane Protein 43 Rabbit mAb - Additional Information

Gene ID 79188

Other Names TMEM43

DilutionWB~~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). 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 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

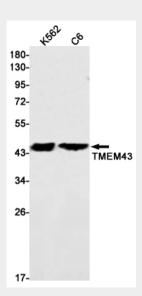
Highest expression in placenta. Also found at lower levels in heart, ovary, spleen, small intestine, thymus, prostate and testis.

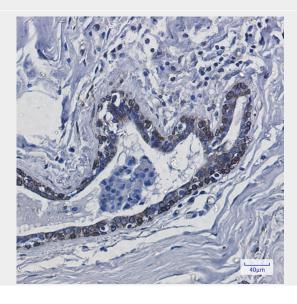
Transmembrane Protein 43 Rabbit mAb - Protocols

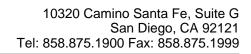
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Transmembrane Protein 43 Rabbit mAb - Images









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