10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TMEM65 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10360a

Specification

TMEM65 Antibody (N-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q6PI78
Other Accession	NP_919267.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25498**
Antigen Region	**33-61**

TMEM65 Antibody (N-term) - Additional Information

Gene ID 157378

Other Names
Transmembrane protein 65, TMEM65

Target/Specificity
This TMEM65 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the N-terminal region of human TMEM65.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TMEM65 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TMEM65 Antibody (N-term) - Protein Information

Name TMEM65

Function Essential for maintaining proper cardiac intercalated disk (ICD) structure and function as well as cardiac conduction velocity in the heart. Its association with SCN1B is required for stabilizing the perinexus in the ICD and for localization of GJA1 and SCN5A to the ICD. May regulate the function of the gap junction protein GJA1 and may contribute to the stability and proper localization of GJA1 to cardiac intercalated disk thereby regulating gap junction communication (By similarity). May also play a role in the regulation of mitochondrial respiration and mitochondrial DNA copy number maintenance (PubMed:28295037).

Cellular Location
Cell membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein. Note=Localizes at the intercalated disk in the ventricular tissue (PubMed:26403541)

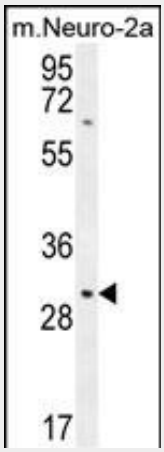
Tissue Location
Predominantly expressed the ventricular tissue (at protein level).

TMEM65 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TMEM65 Antibody (N-term) - Images



TMEM65 Antibody (N-term) (Cat. #AP10360a) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the TMEM65 antibody detected the TMEM65 protein (arrow).

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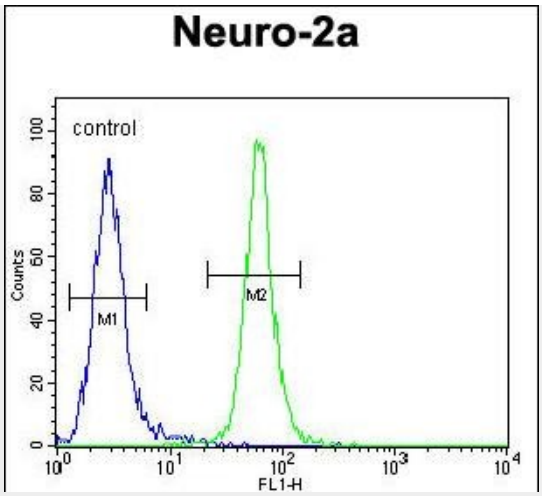

TMEM65 Antibody (N-term) (Cat. #AP10360a) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TMEM65 Antibody (N-term) - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :
Bonaldo, M.F., et al. Genome Res. 6(9):791-806(1996)