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

TMEM30A Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12793

Specification

TMEM30A Antibody - middle region - Product Information

Application	**WB, IHC**
Primary Accession	Q9NV96
Other Accession	NM_018247, NP_060717
Reactivity	**Human, Mouse, Rat, Zebrafish, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41kDa KDa**

TMEM30A Antibody - middle region - Additional Information

Gene ID 55754

Alias Symbol	**C6orf67, CDC50A, FLJ10856**

Other Names
Cell cycle control protein 50A, P4-ATPase flippase complex beta subunit TMEM30A, Transmembrane protein 30A, TMEM30A, C6orf67, CDC50A

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-TMEM30A 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.

Precautions
TMEM30A Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TMEM30A Antibody - middle region - Protein Information

Name TMEM30A (HGNC:16667)

Synonyms C6orf67, CDC50A

Function
Accessory component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation also seems to be implicated in vesicle formation and in uptake of lipid

signaling molecules. The beta subunit may assist in binding of the phospholipid substrate. Required for the proper folding, assembly and ER to Golgi exit of the ATP8A2:TMEM30A flippase complex. ATP8A2:TMEM30A may be involved in regulation of neurite outgrowth, and, reconstituted to liposomes, predominantly transports phosphatidylserine (PS) and to a lesser extent phosphatidylethanolamine (PE). The ATP8A1:TMEM30A flippase complex seems to play a role in regulation of cell migration probably involving flippase-mediated translocation of phosphatidylethanolamine (PE) at the plasma membrane. Required for the formation of the ATP8A2, ATP8B1 and ATP8B2 P-type ATPAse intermediate phosphoenzymes. Involved in uptake of platelet-activating factor (PAF), synthetic drug alkylphospholipid edelfosine, and, probably in association with ATP8B1, of perifosine. Also mediates the export of alpha subunits ATP8A1, ATP8B1, ATP8B2, ATP8B4, ATP10A, ATP10B, ATP10D, ATP11A, ATP11B and ATP11C from the ER to other membrane localizations.

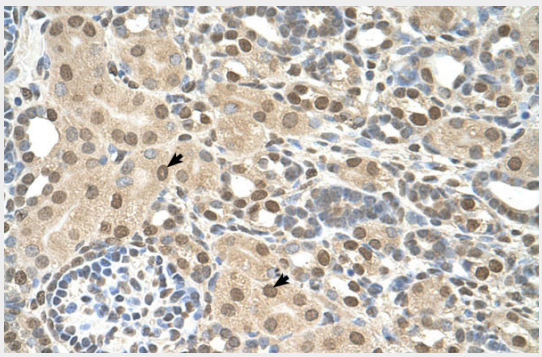
Cellular Location
Membrane; Multi-pass membrane protein. Cell membrane. Golgi apparatus. Cytoplasmic vesicle, secretory vesicle membrane. Apical cell membrane

TMEM30A Antibody - middle region - 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

TMEM30A Antibody - middle region - Images



Rabbit Anti-TMEM30A Antibody
Paraffin Embedded Tissue: Human Kidney
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X