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Tmem106b antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12796

Specification

Tmem106b antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q80X71
Other Accession	NM_027992, NP_082268
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Chicken, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**31kDa KDa**

Tmem106b antibody - C-terminal region - Additional Information

Gene ID 71900

Alias Symbol	**2310036D22Rik, 5830455K21Rik, 6430519M21Rik, AI428776, AI661344**

Other Names
Transmembrane protein 106B, Tmem106b

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-Tmem106b 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
Tmem106b antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Tmem106b antibody - C-terminal region - Protein Information

Name Tmem106b

Function
In neurons, involved in the transport of late endosomes/lysosomes (PubMed:25066864, PubMed:32160553). May be involved in dendrite morphogenesis and maintenance by regulating lysosomal trafficking (PubMed:25066864). May act as a molecular brake for retrograde transport of late endosomes/lysosomes, possibly via its interaction with MAP6 (By similarity). In motoneurons, may mediate the axonal transport of

lysosomes and axonal sorting at the initial segment (PubMed:32160553). It remains unclear whether TMEM106B affects the transport of moving lysosomes in the anterograde or retrograde direction in neurites and whether it is particularly important in the sorting of lysosomes in axons or in dendrites (Probable). In neurons, may also play a role in the regulation of lysosomal size and responsiveness to stress (PubMed:25066864). Required for proper lysosomal acidification (PubMed:28728022).

Cellular Location
Late endosome membrane; Single-pass type II membrane protein. Lysosome membrane; Single-pass type II membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q9NUM4}; Single-pass type II membrane protein. Note=Colocalizes with LAMP1. A small fraction resides on the cell surface (By similarity). {ECO:0000250|UniProtKB:Q9NUM4, ECO:0000269|PubMed:23136129, ECO:0000269|PubMed:25066864}

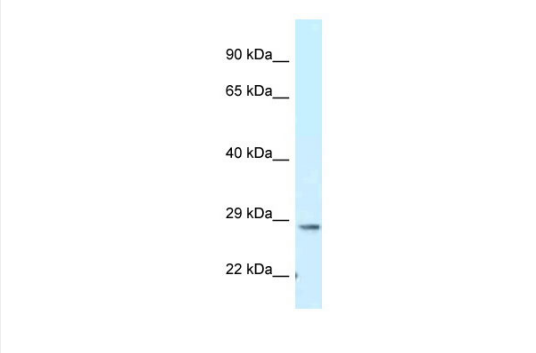
Tissue Location
Expressed in the brain, in neurons (at protein level) (PubMed:25066864, PubMed:28728022, PubMed:29855382, PubMed:32160553, PubMed:32761777). Expressed in the spinal cord (at protein level) (PubMed:32160553).

Tmem106b antibody - C-terminal 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

Tmem106b antibody - C-terminal region - Images



WB Suggested Anti-Tmem106b Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain