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TMEM108 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9598b

Specification

TMEM108 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q6UXF1
Other Accession	Q8BHE4, A6QLF8
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**59948**
Antigen Region	**524-553**

TMEM108 Antibody (C-term) - Additional Information

Gene ID 66000

Other Names
Transmembrane protein 108, TMEM108, KIAA1690

Target/Specificity
This TMEM108 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 524-553 amino acids from the C-terminal region of human TMEM108.

Dilution
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
TMEM108 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TMEM108 Antibody (C-term) - Protein Information

Name TMEM108 (HGNC:28451)

Synonyms KIAA1690, RTLN

Function Transmembrane protein required for proper cognitive functions. Involved in the development of dentate gyrus (DG) neuron circuitry, is necessary for AMPA receptors surface expression and proper excitatory postsynaptic currents of DG granule neurons. Regulates the organization and stability of the microtubule network of sensory neurons to allow axonal transport. Through the interaction with DST, mediates the docking of the dynein/dynactin motor complex to vesicle cargos for retrograde axonal transport. In hippocampal neurons, required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 and recruits the WAVE1 complex to facilitate actin-dependent BDNF:NTRK2 early endocytic trafficking and mediate signaling from early endosomes.

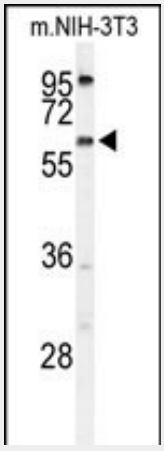
Cellular Location
Membrane {ECO:0000250|UniProtKB:Q8BHE4}; Multi- pass membrane protein. Postsynaptic density {ECO:0000250|UniProtKB:Q8BHE4}. Endosome membrane {ECO:0000250|UniProtKB:Q8BHE4}. Cell projection, axon {ECO:0000250|UniProtKB:Q8BHE4}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8BHE4}. Early endosome {ECO:0000250|UniProtKB:Q8BHE4}

TMEM108 Antibody (C-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

TMEM108 Antibody (C-term) - Images



Western blot analysis of TMEM108 Antibody (C-term) (Cat. #AP9598b) in NIH-3T3 cell line lysates (35ug/lane). TMEM108 (arrow) was detected using the purified Pab.

TMEM108 Antibody (C-term) - References

Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008)

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)