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TMM35 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP5511b

Specification

TMM35 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q53FP2
Other Accession	NP_067650.1

TMM35 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 59353

Other Names
Transmembrane protein 35, TMEM35

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TMM35 Antibody (C-term) Blocking peptide - Protein Information

Name TMEM35A (HGNC:25864)

Function
Molecular chaperone which mediates the proper assembly and functional expression of the nicotinic acetylcholine receptors (nAChRs) throughout the brain (PubMed:26875622, PubMed:27789755, PubMed:28445721, PubMed:32204458, PubMed:32783947). Essential for the proper folding, assembly, function and surface trafficking of alpha-7 (CHRNA7), alpha-4-beta-2, alpha-3-beta-2 and alpha-3-beta-4 receptors (PubMed:26875622, PubMed:27789755, PubMed:28445721, PubMed:32204458, PubMed:32783947). Stably associates with ribophorin-1 (RPN1) and ribophorin-2 (RPN2) (components of the oligosaccharyl transferase (OST) complex) and with calnexin (CANX), both of which are critical for NACHO-mediated effects on CHRNA7 assembly and function (By similarity). Facilitates the proper

folding and assembly of alpha-6-beta-2 and alpha-6-beta-2-beta-3 receptors and acts at early stages of the nAChRs subunit assembly (PubMed:28445721). Promotes the expression of the alpha-4(2):beta-2(3) stoichiometric form over the alpha-4(3):beta-2(2) form (PubMed:32676916).

Cellular Location
Peroxisome membrane {ECO:0000250|UniProtKB:Q9D328}; Multi-pass membrane protein. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q6JAM9} Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9D328}; Multi- pass membrane protein. Note=Shedding may lead to a soluble peptide. {ECO:0000250|UniProtKB:Q6JAM9}

TMM35 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

TMM35 Antibody (C-term) Blocking peptide - Images