

**LIN7A Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP17246b**Specification**

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**LIN7A Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O14910](#)**LIN7A Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 8825

**Other Names**

Protein lin-7 homolog A, Lin-7A, hLin-7, Mammalian lin-seven protein 1, MALS-1, Tax interaction protein 33, TIP-33, Vertebrate lin-7 homolog 1, Veli-1, LIN7A, MALS1, VELI1

**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.

**LIN7A Antibody (C-term) Blocking Peptide - Protein Information**

Name LIN7A

Synonyms MALS1, VELI1

**Function**

Plays a role in establishing and maintaining the asymmetric distribution of channels and receptors at the plasma membrane of polarized cells. Forms membrane-associated multiprotein complexes that may regulate delivery and recycling of proteins to the correct membrane domains. The tripartite complex composed of LIN7 (LIN7A, LIN7B or LIN7C), CASK and APBA1 associates with the motor protein KIF17 to transport vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit NR2B along microtubules (By similarity). This complex may have the potential to couple synaptic vesicle exocytosis to cell adhesion in brain. Ensures the proper localization of GRIN2B (subunit 2B of the NMDA receptor) to neuronal postsynaptic density and may function in localizing synaptic vesicles at synapses where it is recruited by beta-catenin and cadherin. Required to localize Kir2 channels, GABA transporter (SLC6A12) and EGFR/ERBB1, ERBB2, ERBB3 and ERBB4 to the basolateral membrane of epithelial cells.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q8JZS0}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8JZS0}. Basolateral cell membrane {ECO:0000250|UniProtKB:Q8JZS0};

Peripheral membrane protein {ECO:0000250|UniProtKB:Q8JZ50}. Cell junction {ECO:0000250|UniProtKB:Q8JZ50}. Postsynaptic density membrane {ECO:0000250|UniProtKB:Q8JZ50}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8JZ50}. Cell junction, tight junction {ECO:0000250|UniProtKB:Q8JZ50}. Note=Mainly basolateral in renal epithelial cells. {ECO:0000250|UniProtKB:Q8JZ50}

**Tissue Location**

Expressed in brain, testis, kidney, placenta and liver.

**LIN7A Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**LIN7A Antibody (C-term) Blocking Peptide - Images****LIN7A Antibody (C-term) Blocking Peptide - Background**

LIN7A plays a role in establishing and maintaining the asymmetric distribution of channels and receptors at the plasma membrane of polarized cells. Forms membrane-associated multiprotein complexes that may regulate delivery and recycling of proteins to the correct membrane domains. The tripartite complex composed of LIN7 (LIN7A, LIN7B or LIN7C), CASK and APBA1 may have the potential to couple synaptic vesicle exocytosis to cell adhesion in brain. Ensures the proper localization of GRIN2B (subunit 2B of the NMDA receptor) to neuronal postsynaptic density and may function in localizing synaptic vesicles at synapses where it is recruited by beta-catenin and cadherin. Required to localize Kir2 channels, GABA transporter (SLC6A12) and EGFR/ERBB1, ERBB2, ERBB3 and ERBB4 to the basolateral membrane of epithelial cells.

**LIN7A Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;Lanktree, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (6), 945-951 (2008) ;Bohl, J., et al. J. Biol. Chem. 282(13):9392-9400(2007)Dode, L., et al. J. Biol. Chem. 280(47):39124-39134(2005)Olsen, O., et al. Am. J. Physiol. Renal Physiol. 288 (2), F345-F352 (2005) :