

LIN7C Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12807b**Specification**

LIN7C Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9NUP9
Other Accession	Q792I0 , O88952 , Q0P5F3 , NP_060832.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21834
Antigen Region	168-197

LIN7C Antibody (C-term) - Additional Information**Gene ID** 55327**Other Names**

Protein lin-7 homolog C, Lin-7C, Mammalian lin-seven protein 3, MALS-3, Vertebrate lin-7 homolog 3, Veli-3, LIN7C, MALS3, VELI3

Target/Specificity

This LIN7C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-197 amino acids from the C-terminal region of human LIN7C.

DilutionWB~~1:1000
IHC-P~~1:10~50**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

LIN7C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LIN7C Antibody (C-term) - Protein Information**Name** LIN7C

Synonyms MALS3, VELI3

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.

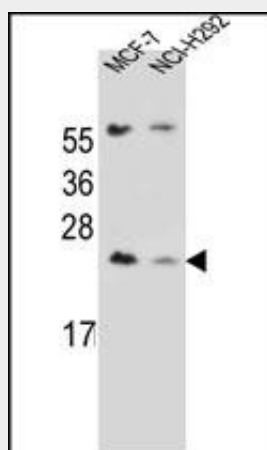
Cellular Location

Cell membrane; Peripheral membrane protein. Basolateral cell membrane; Peripheral membrane protein. Cell junction Postsynaptic density membrane; Peripheral membrane protein. Cell junction, tight junction Note=Mainly basolateral in renal epithelial cells.

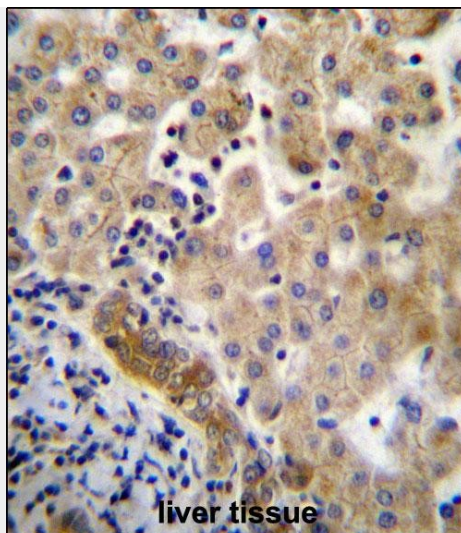
LIN7C Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIN7C Antibody (C-term) - Images

LIN7C Antibody (C-term) (Cat. #AP12807b) western blot analysis in MCF-7,NCI-H292 cell line lysates (35ug/lane).This demonstrates the LIN7C antibody detected the LIN7C protein (arrow).



LIN7C Antibdy (C-term) (Cat. #AP12807b) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LIN7C Antibdy (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

LIN7C Antibody (C-term) - Background

LIN7C 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.

LIN7C Antibody (C-term) - References

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