Datasheet for ABIN953176

anti-LIN7C antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	LIN7C
Binding Specificity:	AA 175-197, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIN7C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 175-197 amino acids from the C-terminal region of Human LIN7C.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human LIN7C (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	LIN7C
Alternative Name:	LIN7C (LIN7C Products)

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Target Details

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.Synonyms: LIN7C, Lin-7 homolog C, Lin-7C, MALS-3, MALS3, Mammalian lin-seven protein 3, VELI3, Veli-3 protein, Vertebrate lin-7 homolog 3
Molecular Weight:	21834 Da
Gene ID:	55327
NCBI Accession:	NP_060832
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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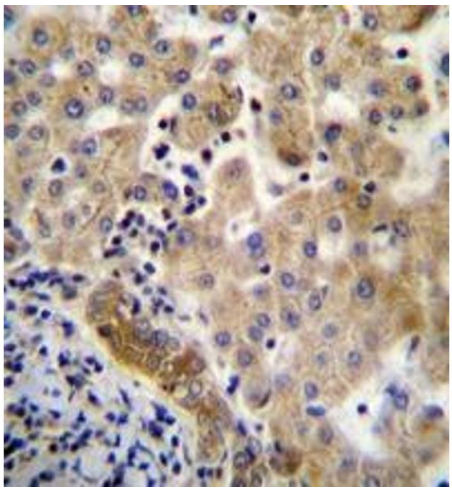
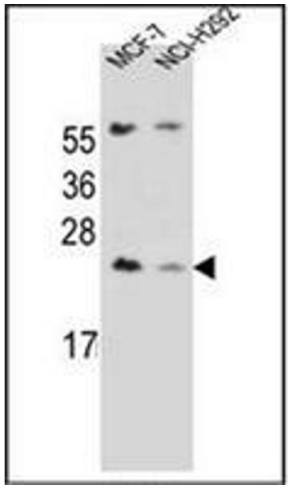


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with LIN7C Antibdy (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of LIN7C Antibdy (C-term) in MCF-7, NCI-H292 cell line lysates (35ug/lane). This demonstrates the LIN7C antibody detected the LIN7C protein (arrow).

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