

ARG44402
anti-LIN7C antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LIN7C
Tested Reactivity	Hu, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Target Name	LIN7C
Species	Human
Immunogen	Human LIN7C recombinant protein (aa. sequence: M1-A73).
Conjugation	Un-conjugated
Alternate Names	LIN7C; Lin-7 Homolog C, Crumbs Cell Polarity Complex Component; MALS-3; VELI3; LIN-7-C; LIN-7C; Mammalian Lin-Seven Protein 3; Vertebrate Lin-7 Homolog 3; Protein Lin-7 Homolog C; LIN-7 Protein 3

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 ⁶ cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml

Application Note The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

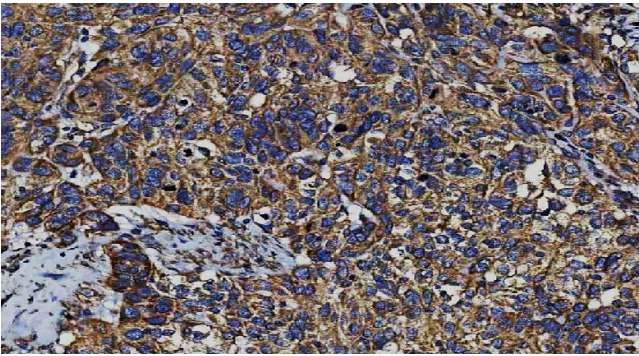
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

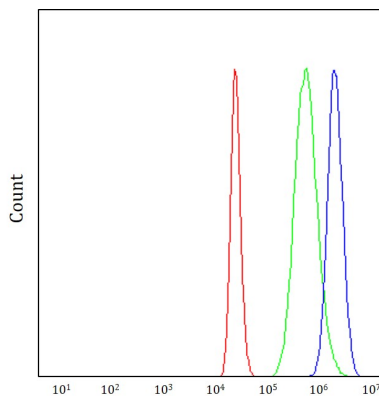
Gene Symbol	LIN7C
Gene Full Name	Lin-7 Homolog C, Crumbs Cell Polarity Complex Component
Background	Enables L27 domain binding activity and cytoskeletal protein binding activity. Involved in morphogenesis of an epithelial sheet. Located in cell-cell junction; cytoplasm; and plasma membrane. Part of MPP7-DLG1-LIN7 complex.
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.
Calculated Mw	22 kDa
PTM	Acetylation
Cellular Localization	Cell junction, Cell membrane, Membrane, Postsynaptic cell membrane, Synapse, Tight junction

Images



ARG44402 anti-LIN7C antibody IHC-P image

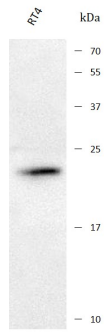
Immunohistochemistry: Human bladder urothelial carcinoma stained with ARG44402 anti-LIN7C antibody at 2 $\mu\text{g}/\text{mL}$ dilution.



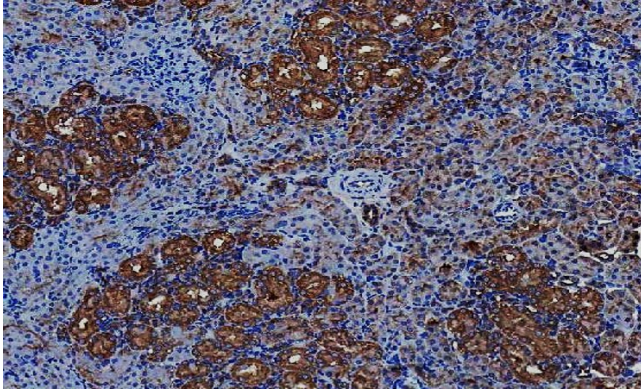
ARG44402 anti-LIN7C antibody FACS image

Flow Cytometry: HP-1 stained with ARG44402 anti-LIN7C antibody at 1 $\mu\text{g}/10^6$ cells dilution.

ARG44402 anti-LIN7C antibody WB image

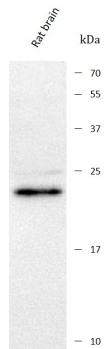


Western blot: RT4 stained with ARG44402 anti-LIN7C antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44402 anti-LIN7C antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG44402 anti-LIN7C antibody at 2 $\mu\text{g}/\text{mL}$ dilution.



ARG44402 anti-LIN7C antibody WB image

Western blot: Rat brain stained with ARG44402 anti-LIN7C antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.