

LIN7C Polyclonal Antibody

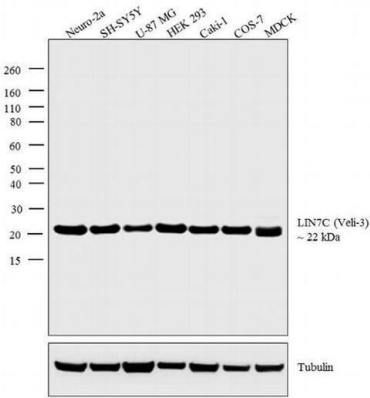
Product Details	
Size	100 µg
Species Reactivity	Dog, Human, Mouse, Non-human primate, Rat
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the C-terminus of the rat Velis-3 (MALS-3) protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2533910

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	5 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1.0 µg/mL	3 Publications
Immunocytochemistry (ICC/IF)	2 µg/mL	5 Publications
ELISA (ELISA)	0.1-1.0 µg/mL	-
Immunoprecipitation (IP)	1 µg	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Images For LIN7C Polyclonal Antibody

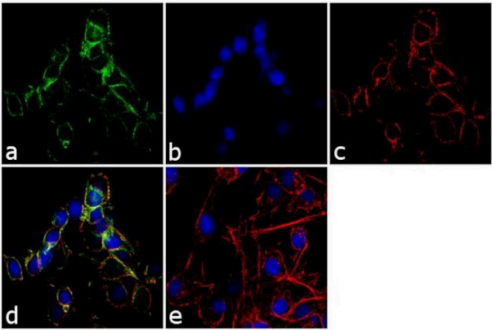
LIN7C Antibody (51-5600) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Neuro-2a (Lane 1), SH-SY5Y (Lane 2), U-87 MG (Lane 3), HEK 293 (Lane 4), Caki-1 (Lane 5), COS-7 (Lane 6), and MDCK (Lane 7). The blots were probed with Rabbit Anti-Veli-3 Polyclonal Antibody (Product # 51-5600, 2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 22 kDa band corresponding to LIN7C (Veli-3) was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



LIN7C Antibody (51-5600) in ICC/IF

Immunofluorescence analysis of VELI-3 was performed using 70% confluent log phase RSC96 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with LIN7C Rabbit Polyclonal Antibody (Product # 51-5600) at 2µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing membranous localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



View more figures on thermofisher.cn

Western Blot (5)

Journal of psychiatry & neuroscience : JPN

Calcium/calmodulin-dependent serine protein kinase (CASK), a protein implicated in mental retardation and autism-spectrum disorders, interacts with T-Brain-1 (TBR1) to control extinction of associative memory in male mice.

"51-5600 was used in Western Blotting to establish a mouse model to study how calcium/calmodulin-dependent serine protein kinase regulates mental ability."

Authors: Huang TN,Hsueh YP

Year
2017

Species
Mouse

The American journal of pathology

miR-199a-5p regulates urothelial permeability and may play a role in bladder pain syndrome.

"51-5600 was used in western blot to show that miR-99a-5p regulates intercellular junctions in the bladder."

Authors: Monastyrskaya K,Sánchez-Freire V,Hashemi Gheinani A,Klumpp DJ,Babychuk EB,Draeger A,Burkhard FC

Year
2013

Species
Human

[View more WB references on thermofisher.cn](#)

Immunohistochemistry (2)

PloS one

Testing for a gap junction-mediated bystander effect in retinitis pigmentosa: secondary cone death is not altered by deletion of connexin36 from cones.

"51-5600 was used in immunohistochemistry to test if disruption of rod-cone coupling prevents secondary cone death and reduces the spread of degeneration"

Authors: Kranz K,Paquet-Durand F,Weiler R,Janssen-Bienhold U,Dedek K

Year
2013

Dilution
1:1000

Molecular biology of the cell

CASK deletion in intestinal epithelia causes mislocalization of LIN7C and the DLG1/Scrib polarity complex without affecting cell polarity.

"Published figure using LIN7C polyclonal antibody (Product # 51-5600) in Western Blot"

Authors: Lozovatsky L,Abayasekara N,Piawah S,Walther Z

Year
2009

More applications with references on thermofisher.cn

IHC (F) (3)

ICC/IF (5)

IP (1)

Misc (1)

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