

# Product Datasheet

## Caveolin-3 Antibody NB110-5029

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NB110-5029****Caveolin-3 Antibody**

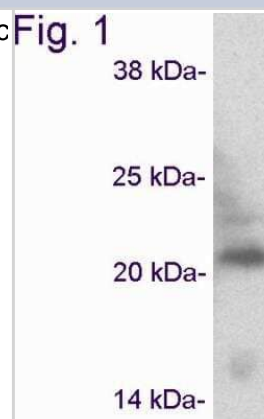
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
Host	Rabbit
Gene ID	859
Gene Symbol	CAV3
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 14688207). Rat reactivity reported in scientific literature (PMID: 11567040).
Marker	Muscle Specific Caveolae Marker, T-tubule Marker
Specificity/Sensitivity	Detects caveolin-3 from rat tissues. This does not detect caveolin-1 or -2.
Immunogen	Synthetic peptide corresponding to residues M(1) M T E E H T D L E A R I I K D I H C(19) C of mouse CAV3

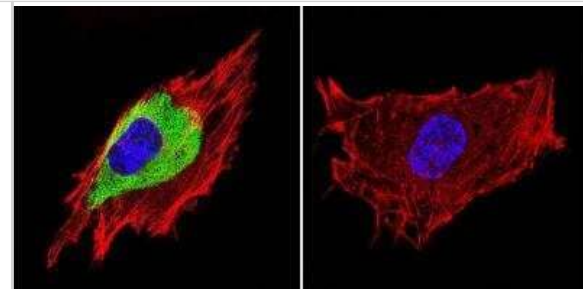
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Flow Cytometry 3 - 5 ug / 10 <sup>6</sup> cells, Immunohistochemistry 1:100 - 200, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunoprecipitation 5 ug, Immunohistochemistry-Paraffin 1:100 - 200
Application Notes	WB: Detects an approx. 21 kDa protein representing caveolin-3 from rat heart homogenate.

**Images**

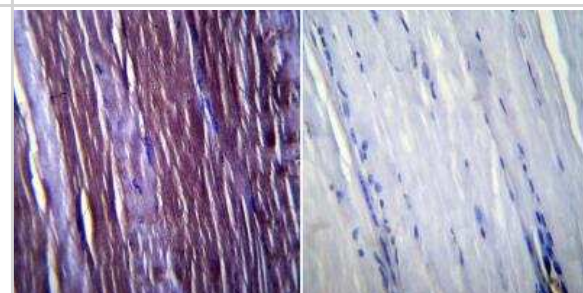
Western Blot: Caveolin-3 Antibody [NB110-5029] - Analysis of rat cardiac muscle protein extract.



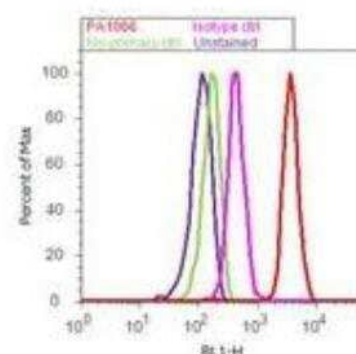
**Immunocytochemistry/Immunofluorescence: Caveolin-3 Antibody [NB110-5029]** - C2C11 cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Caveolin 3 polyclonal antibody at a dilution of 1:20 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody and nuclei with DAPI (blue) is shown.



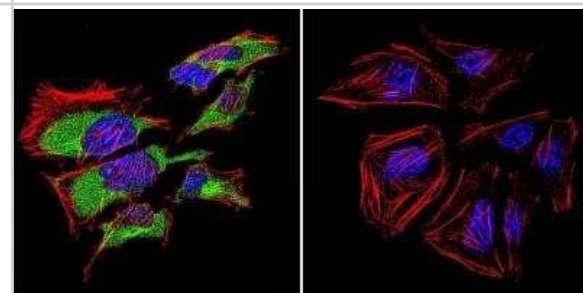
**Immunohistochemistry-Paraffin: Caveolin-3 Antibody [NB110-5029]** - Normal biopsies of deparaffinized Mouse skeletal muscle tissue.



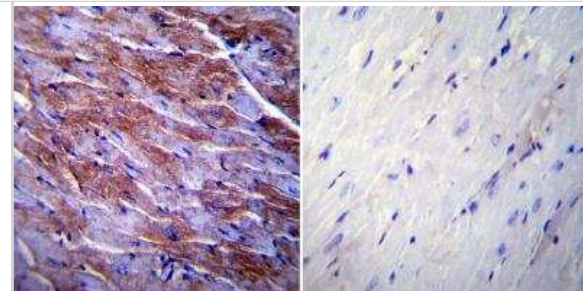
**Flow Cytometry: Caveolin-3 Antibody [NB110-5029]** - Analysis of U-87 MG cells.



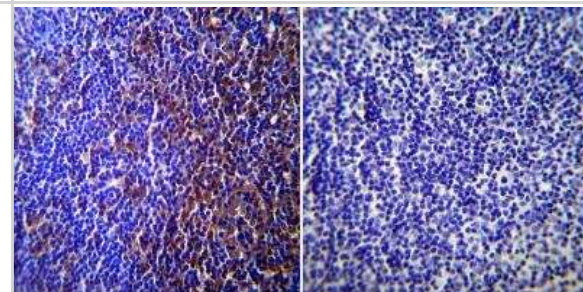
**Immunocytochemistry/Immunofluorescence: Caveolin-3 Antibody [NB110-5029]** - HeLa cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a polyclonal anti-Caveolin 3 antibody (cat# NB110-5029) at a dilution of 1:20 overnight at 4 degrees Celsius, washed with PBS and incubated with a DyLight488 conjugated secondary antibody. Caveolin 3 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue).



Immunohistochemistry-Paraffin: Caveolin-3 Antibody [NB110-5029] - Normal biopsies of deparaffinized Mouse heart tissue.



Immunohistochemistry-Paraffin: Caveolin-3 Antibody [NB110-5029] - Normal biopsies of deparaffinized Mouse lymph node tissue.



## Publications

Yis U, Diniz G, Hazan F et al. Childhood onset limb-girdle muscular dystrophies in the Aegean part of Turkey Acta Myol. 2018-08-31 [PMID: 30838351] (IHC-P, Human)

Diniz G, Eryasar G, Ture S et al. A regional panorama of dysferlinopathies. Turk Patoloji Derg 2012-01-01 [PMID: 23011829]



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### **Products Related to NB110-5029**

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NBL1-08732	Caveolin-3 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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