Product Datasheet

SEC23A Antibody
NBP2-34842

Unit Size: 100ug

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

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NBP2-34842

SEC23A Antibody

Product Information

Unit Size	100ug
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

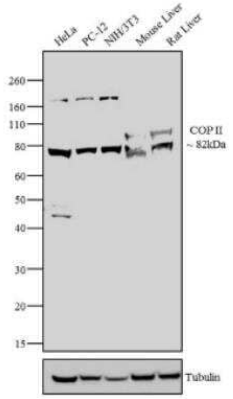
Description	Novus Biologicals Rabbit SEC23A Antibody (NBP2-34842) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-SEC23A Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10484
Gene Symbol	SEC23A
Species	Human, Mouse, Rat, Hamster
Reactivity Notes	Hamster reactivity reported in scientific literature (PMID: 6452637).
Immunogen	Synthetic peptide corresponding to residues M(1) T T Y L E F I Q Q N E E R D G V R (18) C of rat COPII.

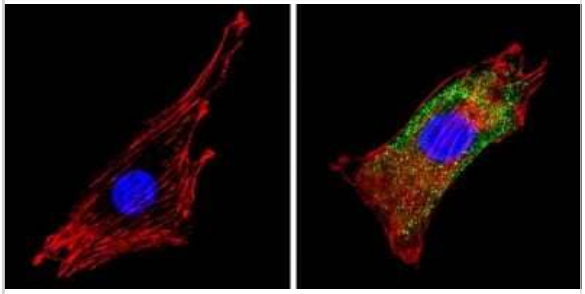
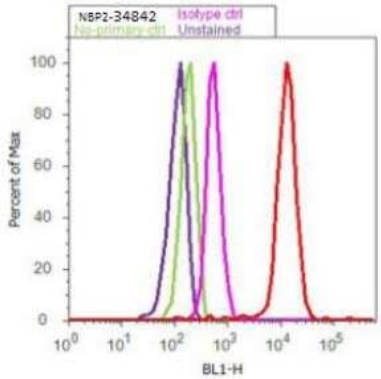
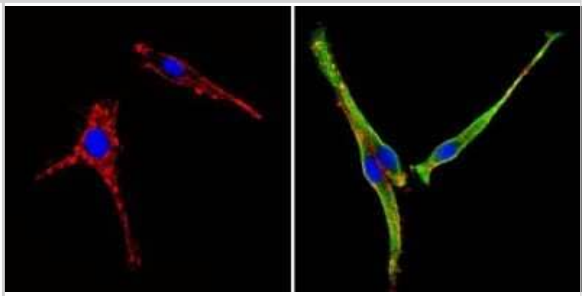
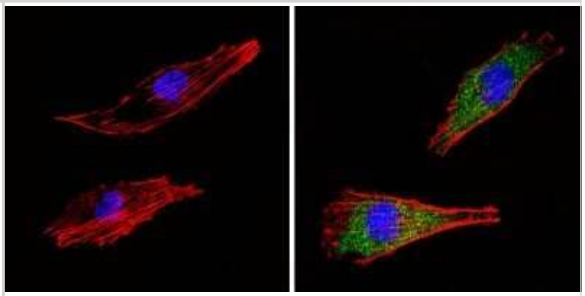
Product Application Details

Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry 3 - 5 ug / 10^6 cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:200, Immunoprecipitation 1:10 - 1:500
Application Notes	Useful in WB. WB: Detects an approx. 85 kDa protein representing COPII from PC-12 cell extract. May be useful in ICC and IP as reported in scientific literature.

Images

Western Blot: SEC23A Antibody [NBP2-34842] - Analysis was performed whole cell extracts and tissue extracts of HeLa (Lane 1), PC-12 (Lane 2), NIH/3T3 (Lane 3), Mouse Liver (Lane 4) and Rat Liver (Lane 5).



Immunocytochemistry/Immunofluorescence: SEC23A Antibody [NBP2-34842] - Analysis of COP II (green) showing staining in the cytoplasm of NIH-3T3 cells (right) compared to a negative control without primary antibody (left).	
Flow Cytometry: SEC23A Antibody [NBP2-34842] - Analysis of COP II was done on PC-12 cells. Cells were fixed with 70% ethanol for 10 minutes, permeabilized with 0.25% Triton (R) X-100 for 20 minutes, and blocked with 5% BSA for 30 minutes at room temperature. Cells were labeled with COP II Rabbit Polyclonal Antibody (PA1-069A, red histogram) or with rabbit isotype control (pink histogram) at 3-5 ug/million cells in 2.5% BSA.	
Immunocytochemistry/Immunofluorescence: SEC23A Antibody [NBP2-34842] - Analysis of COP II (green) showing staining in the cytoplasm of PC12 cells (right) compared to a negative control without primary antibody (left).	
Immunocytochemistry/Immunofluorescence: SEC23A Antibody [NBP2-34842] - Analysis of COP II (green) showing staining in the cytoplasm of Hela cells (right) compared to a negative control without primary antibody (left).	

Publications

Lee H, Jiang Y, Chang H, Cheng I Foot-and-mouth disease virus 3A hijacks Sar1 and Sec12 for ER remodeling in a COPII-independent manner Viruses 2022-04-23 [PMID: 35458569]

Bogdanov V, Soltisz AM, Moise N Et al. Distributed synthesis of sarcolemmal and sarcoplasmic reticulum membrane proteins in cardiac myocytes Basic research in cardiology 2021-10-28 [PMID: 34713358] (IF/IHC, ICC/IF, Mouse)

Guo C, Chi Z, Jiang D et al. Cholesterol Homeostatic Regulator SCAP-SREBP2 Integrates NLRP3 Inflammasome Activation and Cholesterol Biosynthetic Signaling in Macrophages. Immunity. 2018-10-18 [PMID: 30366764] (Mouse)

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Products Related to NBP2-34842

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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