

Product Datasheet

SEC6 Antibody (9H5) - BSA Free NBP1-97500-0.05mg

Unit Size: 0.05 mg

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

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Publications: 6

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NBP1-97500-0.05mg

SEC6 Antibody (9H5) - BSA Free

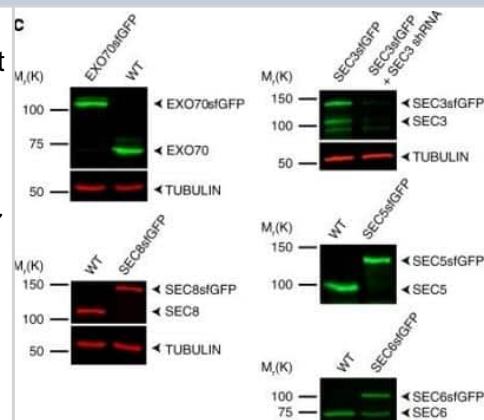
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9H5
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.2) and 50% Glycerol

Product Description	
Description	Novus Biologicals Mouse SEC6 Antibody (9H5) - BSA Free (NBP1-97500) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SEC6 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	11336
Gene Symbol	EXOC3
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Hamster, Monkey, Rabbit, Sheep, Yeast
Reactivity Notes	Yeast reactivity reported in scientific literature (PMID: 30510181).
Immunogen	Recombinant rat Sec6.

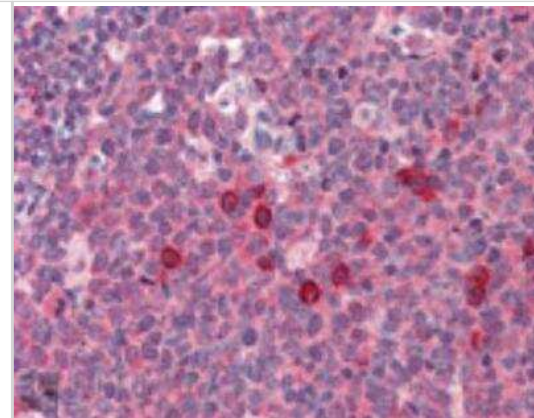
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:250, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunoblotting
Application Notes	Detects a band of ~87kDa by Western blot. Use in Immunoblotting reported in scientific literature (PMID 28358000).

Images

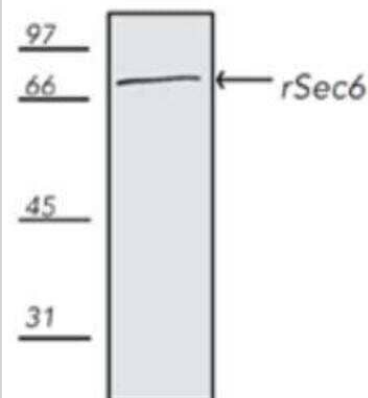
Western Blot: SEC6 Antibody (9H5) [NBP1-97500] - Establishment and validation of tagged exocyst subunit cell lines. Western blots with subunit specific antibodies show successful incorporation of sfGFP in both alleles (EXO70, SEC5, and SEC8), or in one allele (SEC3 and SEC6). A shRNA specific to SEC3 was used to confirm the identity of multiple bands in the blot. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-018-07467-5>) licensed under a CC-BY license.



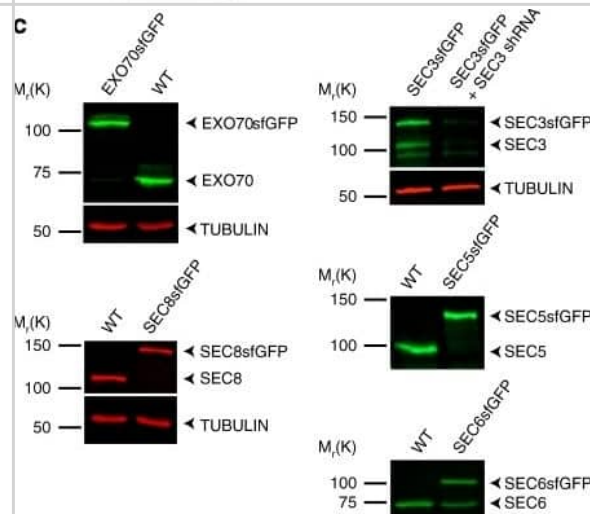
Immunohistochemistry-Paraffin: SEC6 Antibody (9H5) [NBP1-97500] - Analysis of human tonsil tissue stained with rSec6, mAb (9H5) at 10ug/ml.



Western Blot: SEC6 Antibody (9H5) [NBP1-97500] - Analysis of pig ESK-4 cell lysate.



Western Blot: SEC6 Antibody (9H5) [NBP1-97500] - Establishment & validation of tagged exocyst subunit cell lines. a Schematic showing a region of subunit gene targeted by sgRNA & tags to be inserted C-terminally, in-frame with the coding region. b Strategy to isolate CRISPR/Cas9-mediated sfGFP-tagged clones of exocyst subunits in NMuMG cells. c Western blots with subunit specific antibodies show successful incorporation of sfGFP in both alleles (EXO70, SEC5, & SEC8), or in one allele (SEC3 & SEC6). A shRNA specific to SEC3 was used to confirm the identity of multiple bands in the blot. d Confocal images of live wild-type NMuMG cells & endogenously tagged SEC3-GFP, SEC5-GFP, SEC6-GFP, SEC8-GFP, & EXO70-GFP cell lines. Scale bar = 10 μ m. e Protein-protein interaction heat map for endogenous SEC3-GFP, SEC5-GFP, & EXO70-GFP pulldown using GFP-Trap nanobodies & MS. Yellow indicates baits, blue the protein identified with high confidence, & gray denotes preys that were not identified. The experiments were repeated three times for EXO70-GFP & twice for SEC3-GFP & SEC5-GFP. All experiments were also partially confirmed by IP-WB in at least three independent experiments, with similar results. f Western blot analysis to assess the relative abundance of exocyst subunits fused to sfGFP, using anti-GFP antibodies (SEC3 & SEC6 quantifications corrected for heterozygosity). GAPDH was the loading control. Y axis shows the ratio of GFP/GAPDH. Quantification shows pooled data from three experiments Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30510181>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Ahmed SM, Nishida-Fukuda H Exocyst dynamics during vesicle tethering and fusion Nat Commun. 2018-12-02 [PMID: 30510181] (WB, Yeast)

Ahmed S, Nishida-Fukuda H, Li Y et al. Exocyst Dynamics During Vesicle Tethering and Fusion. bioRxiv 2018-06-22 [PMID: 30644403] (IB)

Ahmed SM, Macara IG. The Par3 polarity protein is an exocyst receptor essential for mammary cell survival. Nat Commun. 2017-03-30 [PMID: 28358000] (IB, Human)

M Knepper et al. Large-scale quantitative LC-MS/MS analysis of detergent-resistant membrane proteins from rat renal collecting duct. Am. J. Physiol. Cell Physiol. 295, C661 . 2008-01-01 [PMID: 18596208] (WB, Rat)

E Rodriguez-Boulan et al. Three-dimensional analysis of post-Golgi carrier exocytosis in epithelial cells;. Nat. Cell Biol. 5, 126. 2003-01-01 [PMID: 12545172] (ICC/IF, Canine)

PJ Robinson et al. The brain exocyst complex interacts with RalA in a GTP-dependent manner: identification of a novel mammalian Sec3 gene and a second Sec15 gene. J. Biol. Chem. 276, 29792. 2001-01-01 [PMID: 11406615] (WB, Rat)





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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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