

Product Datasheet

SEC24A Antibody (4D9) - Azide and BSA Free H00010802-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00010802-M01**SEC24A Antibody (4D9) - Azide and BSA Free**

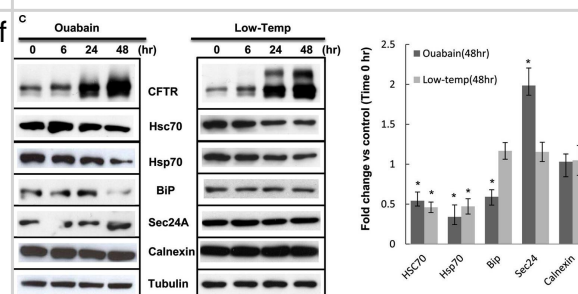
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4D9
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse SEC24A Antibody (4D9) - Azide and BSA Free (H00010802-M01) is a monoclonal antibody validated for use in WB and ELISA. Anti-SEC24A Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10802
Gene Symbol	SEC24A
Species	Human
Specificity/Sensitivity	This product is specific for Human SEC24A monoclonal antibody (M01), clone 4D9 [Gene ID: 10802].
Immunogen	SEC24A (XP_094581.5, 301 a.a. ~ 390 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PLTSSYRDVPQPLFNSAVNQEGITSNTNNGSMVVHSSYDEIEGGLLATPQLT NKNPKMSRSVGYSPSLPPGYQNTTPPGATGVPPSSL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Sandwich ELISA
Application Notes	Mouse monoclonal antibody raised against a partial recombinant SEC24A.

Images

Western Blot: SEC24A Antibody (4D9) [H00010802-M01] - The effects of ouabain and low temperature on ER-related chaperones. CFBE/F508del-CFTR cells were treated with 0.1 μ M ouabain or 29C (Low-Temp.) for 6, 24, or 48 h, then the cell lysates were analyzed by immunoblotting using the individual antibodies. The bar graph shows quantification of the band intensities for blots expressed as fold change vs. Time 0 h control. Values in the experiments described are presented as means \pm SD ($n = 3$). Means were tested for statistical significance using a Student's t-test ($*P < 0.05$). Image collected and cropped by CiteAb from the following publication (<https://journal.frontiersin.org/article/10.3389/fphar.2012.00176/abstract>), licensed under a CC-BY license.

Sandwich ELISA: SEC24A Antibody (4D9) [H00010802-M01] - Detection limit for recombinant GST tagged SEC24A is 0.1 ng/ml as a capture antibody.

Western Blot: SEC24A Antibody (4D9) [H00010802-M01] - The effects of ouabain & low temperature on ER-related chaperones. (A) Left panel: Venn diagram of the intersection between ouabain & low temperature 24 h signatures according to a $FDR \leq 0.05$. The numbers indicate distinct genes. The probability $*P = 0.0001$ was calculated using a hypergeometric random variable. Right panel: Gene Ontology (GO) cellular processes pie chart of 3530 genes in common between ouabain & low temperature 24 h treatments. (B) The total RNA previously extracted for the microarray analysis was tested by real-time PCR using the individual primers for the gene expressions of HSPA8, HSPA1L, HSPA5, SEC24A, & CANX. Data are presented by the fold change of gene expression vs. DMSO control with mean \pm SEM of $n = 3$ ($*P < 0.05$) (C) CFBE/F508del-CFTR cells were treated with 0.1 μ M ouabain or 29°C (Low-Temp.) for 6, 24, or 48 h, then the cell lysates were analyzed by immunoblotting using the individual antibodies. The bar graph shows quantification of the band intensities for blots expressed as fold change vs. Time 0 h control. Values in the experiments described are presented as means \pm SD ($n = 3$). Means were tested for statistical significance using a Student's t-test ($*P < 0.05$). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/23060796>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Deng S, Shen Y, Gu H et al. The role of the C-terminal domain of PCSK9 and SEC24 isoforms in PCSK9 secretion. *Biochim Biophys Acta Mol Cell Biol Lipids*. 2020-02-11 [PMID: 32058034]

Zhang D, Ciciriello F, Anjos SM et al. Ouabain Mimics Low Temperature Rescue of F508del-CFTR in Cystic Fibrosis Epithelial Cells *Front Pharmacol* 2012-01-01 [PMID: 23060796] (WB, Human)



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Products Related to H00010802-M01

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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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