

# Product Datasheet

## SEC16A Antibody NB100-1799

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB100-1799**

## SEC16A Antibody

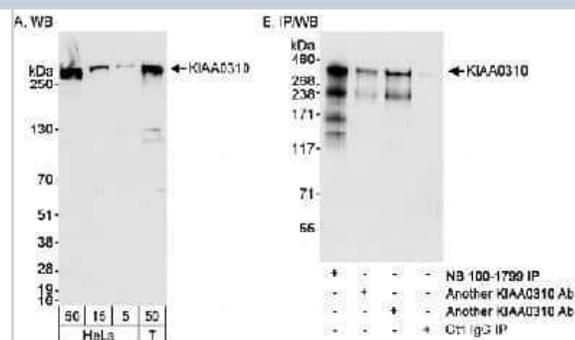
Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description	
Host	Rabbit
Gene ID	9919
Gene Symbol	SEC16A
Species	Human, Mouse, Rat, Primate
Reactivity Notes	Primate reactivity reported in (PMID: 22875974), Rat reactivity reported in (PMID: 22740409). Mouse reactivity reported in scientific literature (DOI 10.21007/etd.cghs.2016.0419).
Immunogen	The immunogen recognized by this antibody maps to a region between residues 600 and 650 of human KIAA0310 using the numbering given in entry O15027 (GeneID 9919).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 1-4 ug/mg of lysate
Application Notes	ICC/IF reactivity reported in (PMID: 22740409).

**Images**

Western Blot: SEC16A Antibody [NB100-1799] - Detection of Human KIAA0310 on HeLa whole cell lysate using NB100-1799. KIAA0310 was also immunoprecipitated by 2 other antibodies.



**Publications**

Wang B. Dissecting the Physiological Roles of ULK1/2 in the Mouse Brain Thesis. 2016-01-01 (Mouse)

Rayl M, Truitt M, Held A et al. Penta-EF-Hand Protein Peflin Is a Negative Regulator of ER-To-Golgi Transport. PLoS One 2016-06-08 [PMID: 27276012] (WB)

van Zuylen WJ, Doyon P, Clement JF et al. Proteomic profiling of the TRAF3 interactome network reveals a new role for the ER-to-Golgi transport compartments in innate immunity. PLoS Pathog 2012-01-01 [PMID: 22792062]

Zacharogianni M, Kondylis V, Tang Y et al. ERK7 is a negative regulator of protein secretion in response to amino-acid starvation by modulating Sec16 membrane association. EMBO J 2011-08-01 [PMID: 21847093]

Smith JL, McBride CM, Nataraj PS et al. Trafficking-deficient hERG K<sup>+</sup>channels linked to long QT syndrome are regulated by a microtubule-dependent quality control compartment in the ER. Am J Physiol Cell Physiol 2011-07-01 [PMID: 21490315]

Hughes H, Stephens DJ. Sec16A defines the site for vesicle budding from the endoplasmic reticulum on exit from mitosis. J Cell Sci 2010-12-01 [PMID: 21045114]

Hughes H, Budnik A, Schmidt K et al. Organisation of human ER-exit sites: requirements for the localisation of Sec16 to transitional ER. J Cell Sci 2009-08-01 [PMID: 19638414]

Townley AK, Feng Y, Schmidt K et al. Efficient coupling of Sec23-Sec24 to Sec13-Sec31 drives COPII-dependent collagen secretion and is essential for normal craniofacial development. J Cell Sci 2008-09-01 [PMID: 18713835]

Abrami L, Kunz B, Iacovache I et al. Palmitoylation and ubiquitination regulate exit of the Wnt signaling protein LRP6 from the endoplasmic reticulum. Proc Natl Acad Sci U S A 2008-04-01 [PMID: 18378904]

Trahey M, Oh HS, Cameron CE, Hay JC. Poliovirus infection transiently increases COPII vesicle budding J Virol 2012 -06-27 [PMID: 22740409] (ICC/IF, Rat)

Baird NL, York J, Nunberg JH. Arenavirus infection induces discrete cytosolic structures for RNA replication J Virol 2012-08-08 [PMID: 22875974] (Primate)





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### **Products Related to NB100-1799**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-83016PEP	SEC16A Recombinant Protein Antigen

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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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