

# Product Datasheet

## COPB2 Antibody (M3A5) NB600-102

Unit Size: 0.1 ml

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

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**NB600-102****COPB2 Antibody (M3A5)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	M3A5
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse COPB2 Antibody (M3A5) (NB600-102) is a monoclonal antibody validated for use in WB, ICC/IF and IP. Anti-COPB2 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	9276
<b>Gene Symbol</b>	COPB2
<b>Species</b>	Human, Rat, Avian, Bovine, Canine, Chicken, Hamster, Monkey, Primate, Rabbit
<b>Reactivity Notes</b>	kangaroo rat, goose
<b>Specificity/Sensitivity</b>	Recognizes an epitope shared by the beta-COP protein (110kD) found in most tissue culture cells, and a high MW doublet of brain microtubule-associated protein (MAP 2, 270-300 kD).
<b>Immunogen</b>	Microtubule-associated protein from goose brain.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, Immunocytochemistry/ Immunofluorescence 1:20-1:50, Immunoprecipitation 1:10-1:500, Immunoaffinity Purification
<b>Application Notes</b>	AF: Use at an assay dependant dilution. ICC: Use at an assay dependant dilution. IF: CHO cells IP: Use at an assay dependant dilution. Stacked Golgi membranes from rat liver extract. Stains a reticular structure in the perinuclear area of non-neuronal cells (the periphery of the Golgi complex and a population of vesicles scattered throughout the cytoplasm).



## Publications

Schlatter A. On the Reality of Quantum Collapse and the Emergence of Space-Time Entropy 2019-03-25 [PMID: 33267037]

Schultz V, Barrie JA, Donald CL et al. Oligodendrocytes are susceptible to Zika virus infection in a mouse model of perinatal exposure: Implications for CNS complications *Glia* 2021-08-01 [PMID: 33942402]

BD Needham, M Funabashi, MD Adame, Z Wang, JC Boktor, J Haney, WL Wu, C Rabut, MS Ladinsky, SJ Hwang, Y Guo, Q Zhu, JA Griffiths, R Knight, PJ Bjorkman, MG Shapiro, DH Geschwind, DP Holschneid, MA Fischbach, SK Mazmanian A gut-derived metabolite alters brain activity and anxiety behaviour in mice *Nature*, 2022-02-14;602 (7898):647-653. 2022-02-14 [PMID: 35165440]

Ostrowski PP, Freeman SA, Fairn G, Grinstein S Dynamic Podosome-Like Structures in Nascent Phagosomes Are Coordinated by Phosphoinositides *Dev. Cell* 2019-06-06 [PMID: 31231039]

NakaYama H, Abe M, Morimoto C et al. Microglia permit climbing fiber elimination by promoting GABAergic inhibition in the developing cerebellum. *Nat Commun.* 2018-07-19 [PMID: 30026565]

McGugan, G et al. Characterization of a Rab11 -like GTPase, EhRab11, of *Entamoeba histolytica*. *Molecular Biochemical Parasitology* 1: 1-10. 2003-01-01 [PMID: 12850258]

Welter, B et al. Characterization of a Rab7-like GTPase, EhRab7: a marker for the early stages of endocytosis in *Entamoeba histolytica*. *Molecular Biochemical Parasitology* 121:254-264. 2002-01-01 [PMID: 12034459]

Donaldson JG, Lippincott-Schwartz J, Klausner RD. Guanine nucleotides modulate the effects of brefeldin A in semipermeable cells: regulation of the association of a 110-kD peripheral membrane protein with the Golgi apparatus. *J Cell Biol*112(4):579-88. 1991-02-01 [PMID: 1993732] (ICC/IF, Bovine, Rat)

Donaldson JG, Lippincott-Schwartz J, Bloom GS et al. Dissociation of a 110-kD peripheral membrane protein from the Golgi apparatus is an early event in brefeldin A action. *J Cell Biol*111(6 Pt 1):2295-306. 1990-12-01 [PMID: 227706] (ICC/IF, Rat)

Cianciola NL, Carlin CR. Adenovirus RID-alpha activates an autonomous cholesterol regulatory mechanism that rescues defects linked to Niemann-Pick disease type C. *J Cell Biol*187(4):537-52. 2009-11-16 [PMID: 19948501]





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### **Products Related to NB600-102**

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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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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