

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)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	M3A5
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites
Product Description	
Host	Mouse
Gene ID	9276
Gene Symbol	COPB2
Species	Human, Rat, Avian, Bovine, Canine, Chicken, Hamster, Monkey, Primate, Rabbit
Reactivity Notes	kangaroo rat, goose
Specificity/Sensitivity	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).
Immunogen	Microtubule-associated protein from goose brain.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunoaffinity Purification
Recommended Dilutions	Western Blot, Immunocytochemistry/ Immunofluorescence 1:20-1:50, Immunoprecipitation 1:10-1:500, Immunoaffinity Purification
Application Notes	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

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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]

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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]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB600-102

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00009276-P01-10ug	Recombinant Human COPB2 GST (N-Term) Protein

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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