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COPS3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant COPS3.
Catalog # AT1592a

Product Information

Application	WB, IF, E
Primary Accession	Q9UNS2
Other Accession	NM_003653
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2D10
Calculated MW	47873

Additional Information

Gene ID	8533
Other Names	COP9 signalosome complex subunit 3, SGN3, Signalosome subunit 3, JAB1-containing signalosome subunit 3, COPS3, CSN3
Target/Specificity	COPS3 (NP_003644, 324 a.a. ~ 422 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	COPS3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

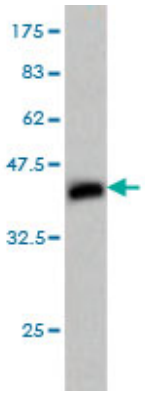
The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17.

References

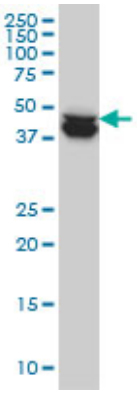
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.The ubiquitin- and proteasome-dependent degradation of COX-2 is regulated by the COP9

signalosome and differentially influenced by coxibs. Neuss H, et al. J Mol Med, 2007 Sep. PMID 17429597.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.Molecular architecture and assembly of the DDB1-CUL4A ubiquitin ligase machinery. Angers S, et al. Nature, 2006 Oct 5. PMID 16964240.A family of diverse Cul4-Ddb1-interacting proteins includes Cdt2, which is required for S phase destruction of the replication factor Cdt1. Jin J, et al. Mol Cell, 2006 Sep 1. PMID 16949367.

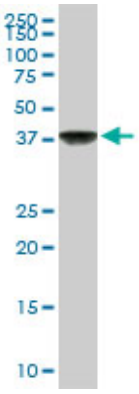
Images



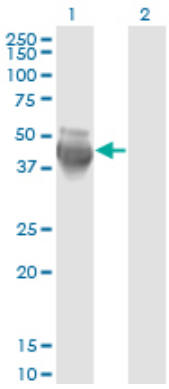
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



COPS3 monoclonal antibody (M02), clone 2D10 Western Blot analysis of COPS3 expression in HeLa ((Cat # AT1592a)

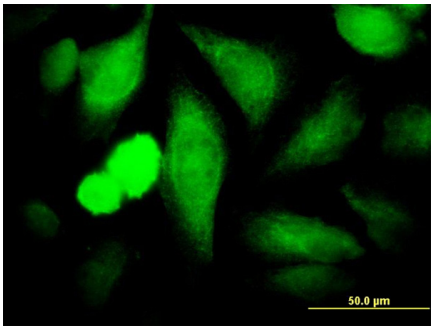


COPS3 monoclonal antibody (M02), clone 2D10. Western Blot analysis of COPS3 expression in PC-12 ((Cat # AT1592a)

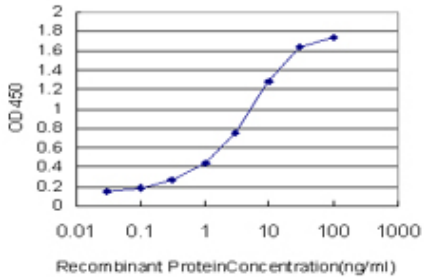


Western Blot analysis of COPS3 expression in transfected 293T cell line by COPS3 monoclonal antibody (M02), clone 2D10.

Lane 1: COPS3 transfected lysate(47.9 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to COPS3 on HeLa cell. [antibody concentration 20 ug/ml]



Detection limit for recombinant GST tagged COPS3 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.