

Product Datasheet

MAP1 Antibody (4A1) - Azide and BSA Free H00064112-M02

Unit Size: 0.1 mg

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

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H00064112-M02

MAP1 Antibody (4A1) - 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	4A1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

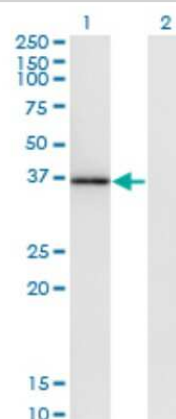
Product Description	
Description	Novus Biologicals Mouse MAP1 Antibody (4A1) - Azide and BSA Free (H00064112-M02) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-MAP1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	64112
Gene Symbol	MOAP1
Species	Human
Reactivity Notes	This product is reactive against Human.
Immunogen	MOAP1 (AAH15044.1, 1 a.a. ~ 351 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MTLRLLLEDWCRGMDMNP RKALLIAGISQSCSV AEIEEALQAGLAPLGEYRLLGR MFRRDENR KVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNE FLAGEGMTV GELSRALGHENGLDPEQGMIPEMWAPMLAQALEALQPALQCL KYKCLR VFSGRESPEPGE EEFGRWMFHTTQMIKAWQVPDVEKRRRLLLESLRG PALDVIRVLKINNPLITVDECLQALEEVFGVTDNPRELQVKYLT TYQKDEEKLSA YVLRLEPLLQKLVQRGAIERDAVNQARLDQVIAGAVHKTIRRELNLPEDGPAPG FLQLLVLIKDYEA AEEEEALLQAILEGNFT
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Application Notes	This antibody is useful for ELISA, Western Blot

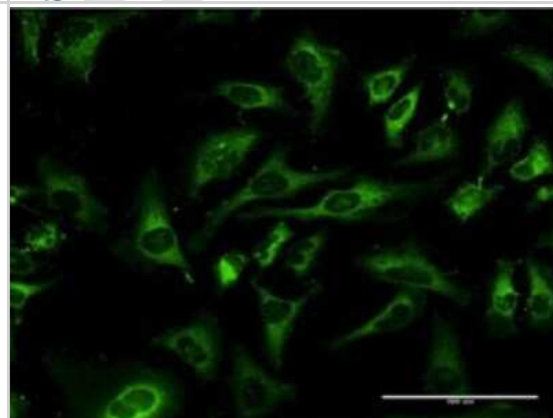


Images

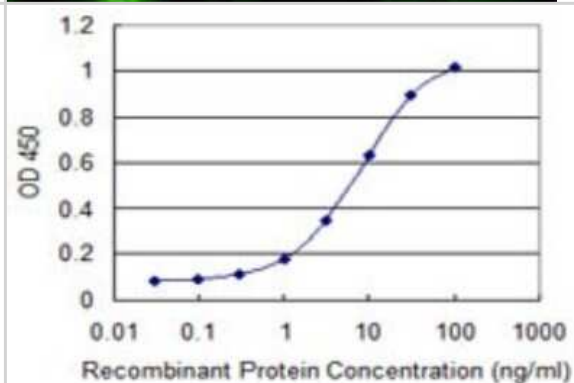
Western Blot: MAP1 Antibody (4A1) [H00064112-M02] - Analysis of MOAP1 expression in transfected 293T cell line by MOAP1 monoclonal antibody (M02), clone 4A1. Lane 1: MOAP1 transfected lysate(39.5 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: MAP1 Antibody (4A1) [H00064112-M02] - Analysis of monoclonal antibody to MOAP1 on HeLa cell . Antibody concentration 10 ug/ml.

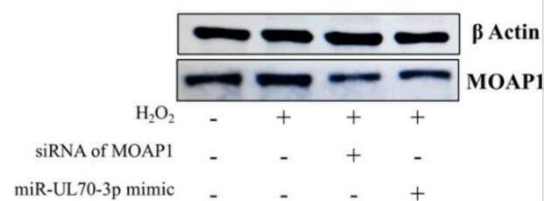


Sandwich ELISA: MAP1 Antibody (4A1) [H00064112-M02] - Detection limit for recombinant GST tagged MOAP1 is 0.3 ng/ml as a capture antibody.



Comparison of downregulation of apoptosis/MOAP1 by siRNA of MOAP1 and hcmv-miR-UL70-3p: (a) Through DAPI imaging, images (63×) showing the nuclear morphology. (b) Measurement of Caspase 3/7 activity: The Caspase 3/7 activities were measured through Caspase Glo 3/7 assay in four different groups of cells, as mentioned above, these were recorded as raw luminescence units (RLU) (+/-SEM; ****p < 0.0001). (c) MOAP1 mRNA downregulation: The relative expression levels of MOAP1 mRNA after the transfection of either hcmv-miR-UL70-3p and siRNA of MOAP1 were measured through qRT-PCR. Results were expressed as the fold change ($2^{-\Delta\Delta Ct}$) (+/- SEM; **, p < 0.01; ****, p < 0.0001). (d) MOAP1 protein downregulation: The MOAP1 protein downregulation after transfection with either siRNA of MOAP1 and hcmv-miR-UL70-3p were analyzed through Western blot. The relative MOAP1 protein quantification was performed through ImageJ software after normalizing with β -actin. Experiments were performed in triplicates (Supplementary Figure S2b), and the data from three different experiments were used for statistical analysis (+/-SEM; *, p < 0.05; **, p < 0.01, ns = non-significant). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35008453>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

(d)



Publications

Pandeya A, Khalko R, Mishra A et al. Human Cytomegalovirus miR-UL70-3p Downregulates the H₂O₂-Induced Apoptosis by Targeting the Modulator of Apoptosis-1 (MOAP1) International Journal of Molecular Sciences 2021-12-21 [PMID: 35008453] (WB, Human)



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Products Related to H00064112-M02

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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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