

Product Datasheet

MAT1A Antibody (4D11) - Azide and BSA Free H00004143-M01

Unit Size: 0.1 mg

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

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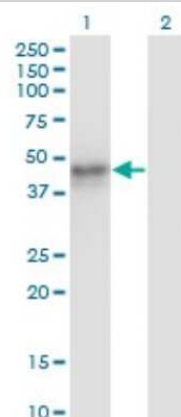


H00004143-M01**MAT1A Antibody (4D11) - Azide and BSA Free**

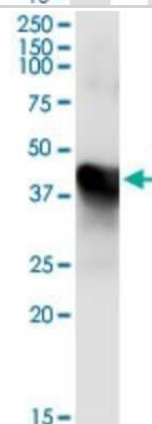
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4D11
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4143
Gene Symbol	MAT1A
Species	Human, C. elegans
Reactivity Notes	C. elegans reactivity reported in scientific literature (PMID: 26321661).
Specificity/Sensitivity	MAT1A - methionine adenosyltransferase I, alpha (4D11)
Immunogen	MAT1A (AAH18359, 1 a.a. ~ 395 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MNGPVDGLCDHSLSEGVMFTSESVGEGHPDKICDQISDAVLDAHLKQDPNAK VACETVCKTGMVLLCGEITSMAMVDYQRVVRDTIKHIGYDDSAKGFDFKTCNV LVALEQQSPDIAQCVHLDRNEEDVGAGDQGLMFGYATDETEECMPLTIILAHKL NARMADLRRSGLLPWLRPDSKTQVTVQYMQDNGAVIPVRIHTIVISVQHNEIT LEEMRRALKEQVIRAVVPAKYLDEDTVYHLQPSGRFVIGGPQGDAGVTGRKIIV DTYGGWGAHGGGAFSGKDYTKVDRSAAYAARWVAKSLVKAGLCRRVLVQVS YAIGVAEPLSISIFTYGTSQKTERELLDVVHKNFDLRPGVIVRDLDLKKPIYQKTA CYGHFGRSEFPWEVPRKLVF
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunoprecipitation 1:10-1:500
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

Images

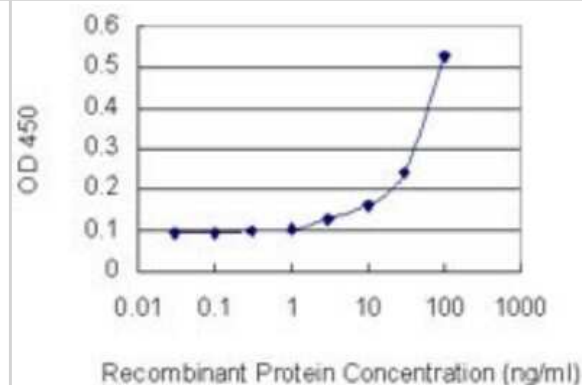
Western Blot: MAT1A Antibody (4D11) [H00004143-M01] - Analysis of MAT1A expression in transfected 293T cell line by MAT1A monoclonal antibody (M01), clone 4D11. Lane 1: MAT1A transfected lysate(43.6 KDa). Lane 2: Non-transfected lysate.



Immunoprecipitation: MAT1A Antibody (4D11) [H00004143-M01] - Analysis of MAT1A transfected lysate using anti-MAT1A monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MAT1A monoclonal antibody.



ELISA: MAT1A Antibody (4D11) [H00004143-M01] - Detection limit for recombinant GST tagged MAT1A is 1 ng/ml as a capture antibody.



Publications

Ding W, Smulan LJ, Hou NS et al. s-Adenosylmethionine Levels Govern Innate Immunity through Distinct Methylation-Dependent Pathways. *Cell Metab.* 2015-08-26 [PMID: 26321661] (WB, *C. elegans*)



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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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