

MATN1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4584
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human MATN1 expressed in E. Coli.
Mol wt	54kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	ICC
Concentration	N/A
Full name	N/A
Synonyms	MAT;SAMS;MATA1;SAMS1;MAT1A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene catalyzes a two-step reaction that involves the transfer of the adenosyl moiety of ATP to methionine to form S-adenosylmethionine and triphosphosphate, which is subsequently cleaved to PPi and Pi. S-adenosylmethionine is the source of methyl groups for most biological methylations. The encoded protein is found as a homotetramer (MAT I) or a homodimer (MAT III) whereas a third form, MAT II (gamma), is encoded by the MAT2A gene. Mutations in this gene are associated with methionine adenosyltransferase deficiency.

Recommended Dilution

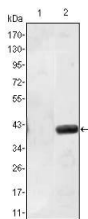
WB: 1:500 - 1:2000

ICC: 1:200 - 1:1000

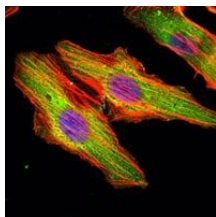
ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using MATN1 mAb against HEK293 (1) and MATN1(AA: 427-496)-hIgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using MATN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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