

Product datasheet

Anti-MAT1A antibody [EPR7938] ab129176

Recombinant RabMAb

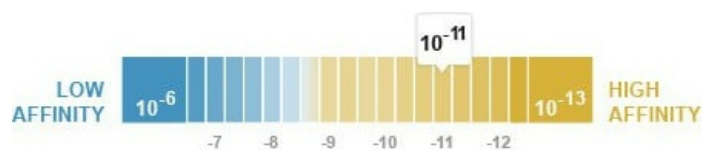
[4 References](#) [5 Images](#)

Overview

Product name	Anti-MAT1A antibody [EPR7938]
Description	Rabbit monoclonal [EPR7938] to MAT1A
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human MAT1A aa 50-150. The exact sequence is proprietary.
Positive control	WB: Human fetal liver, Mouse liver, and Rat liver lysates. IP: 293T cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Dissociation constant (K_D)	K _D = 1.22 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide
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	Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7938
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab129176 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).
IP		1/10 - 1/100.

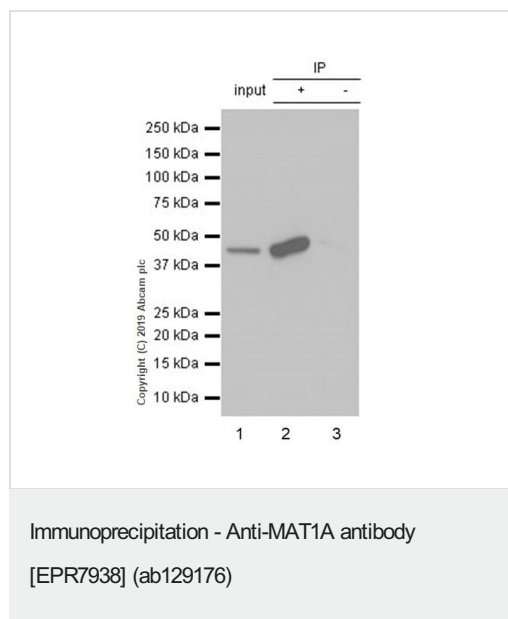
Application notes Is unsuitable for Flow Cyt.

Target

Relevance

MAT1A 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. Mutations in this gene are associated with methionine adenosyltransferase deficiency.

Images



ab129176 (Purified) at 1:40 dilution (2 µg) immunoprecipitating MAT1A in 293T whole cell lysate.

Lane 1 (input): 293T (Human embryonic kidney epithelial cell) whole cell lysate 10 µg

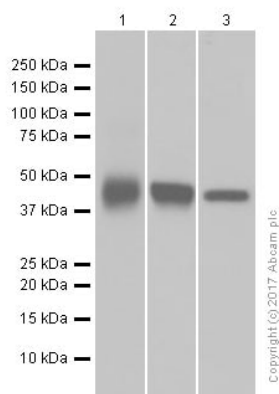
Lane 2 (+): ab129176 & 293T whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab129176 in 293T whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1:1000 dilution.

Blocking and diluting buffer: 5% NFD/MTBST.

Immunoprecipitation - Anti-MAT1A antibody
[EPR7938] (ab129176)



Western blot - Anti-MAT1A antibody [EPR7938]
(ab129176)

All lanes : Anti-MAT1A antibody [EPR7938] (ab129176) at 1/10000 dilution (Purified)

Lane 1 : Human fetal liver lysates

Lane 2 : Mouse liver lysates

Lane 3 : Rat liver lysates

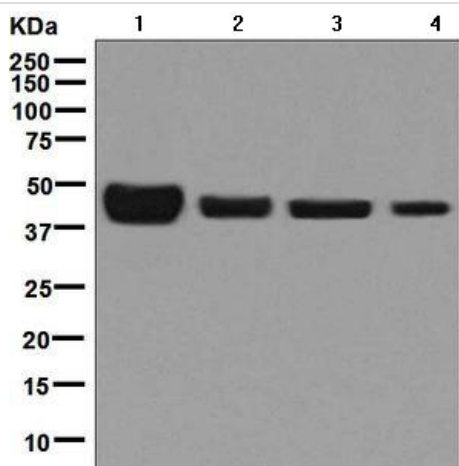
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa



Western blot - Anti-MAT1A antibody [EPR7938]
(ab129176)

All lanes : Anti-MAT1A antibody [EPR7938] (ab129176) at 1/1000 dilution (unpurified)

Lane 1 : Fetal liver lysate

Lane 2 : HepG2 cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : 293T cell lysate

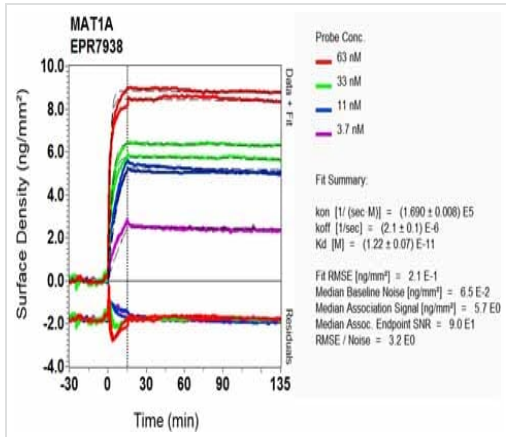
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP conjugated antibody at 1/2000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa



Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

OI-RD Scanning - Anti-MAT1A antibody [EPR7938]
(ab129176)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-MAT1A antibody [EPR7938] (ab129176)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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