abcam

Product datasheet

Anti-MAT1A + MAT2A antibody [EPR19048] ab192846

Recombinant RabMAb

7 Images

Overview

Product name	Anti-MAT1A + MAT2A antibody [EPR19048]
Description	Rabbit monoclonal [EPR19048] to MAT1A + MAT2A
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Ramos, U937, HEK-293T, C6 and NIH/3T3 whole cell lysates; HepG2 untreated and treated with LPS whole cell lysates; Human MAT1A and MAT2A recombinant proteins; Human fetal liver, fetal heart, fetal kidney and fetal spleen lysates; Mouse liver, kidney and spleen lysates; Rat liver, brain and spleen lysates. IP: Ramos whole cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19048

Isotype IgG

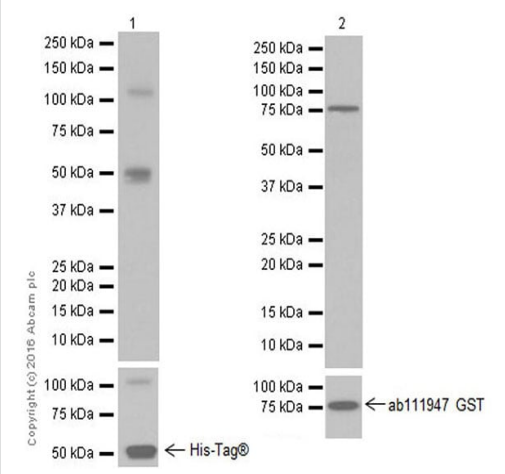
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab192846 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. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).
IP		1/30.

Images



Western blot - Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

All lanes : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/20000 dilution

Lane 1 : Human MAT1A recombinant protein
Lane 2 : Human MAT2A recombinant protein

Lysates/proteins at 0.01 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

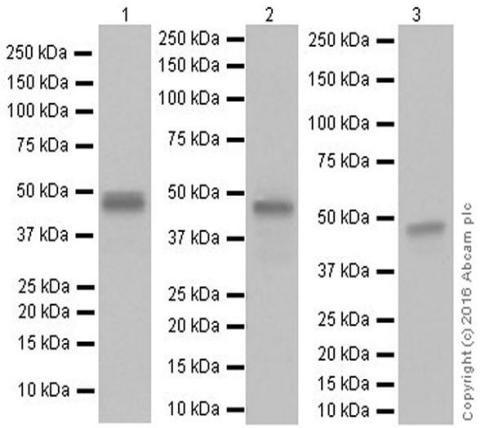
Developed using the ECL technique.

Predicted band size: 44 kDa
Observed band size: 44,75 kDa

Exposure times: Lane 1: 1 second; Lane 2: 2 seconds.

Blocking/Dilution buffer: 5% NFDM/TBST.

Human MAT1A recombinant protein contains aa1-395 with a His-Tag®. This recombinant protein was made in-house.



Western blot - Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

Lane 1 : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/1000 dilution
Lanes 2-3 : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/5000 dilution

Lane 1 : Human fetal liver tissue lysate
Lane 2 : Mouse liver tissue lysate
Lane 3 : Rat liver tissue lysate

Lysates/proteins at 10 µg per lane.

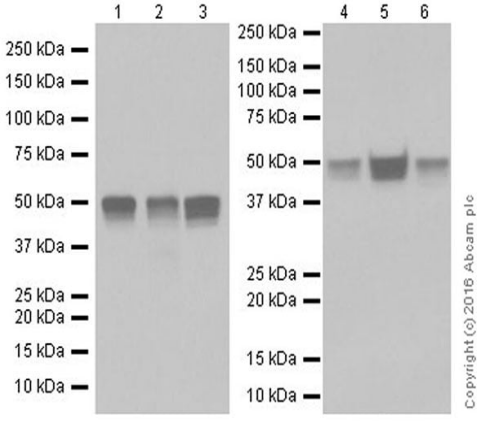
Secondary
Lane 1 : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution
Lanes 2-3 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 44 kDa
Observed band size: 44 kDa

Exposure time: 1 second

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

Lanes 1-3 : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/10000 dilution
Lanes 4-6 : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/1000 dilution

Lane 1 : Ramos (human Burkitt's lymphoma cell line) whole cell lysate
Lane 2 : U937 (human histiocytic lymphoma cell line) whole cell lysate
Lane 3 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
Lane 4 : Human fetal heart tissue lysate
Lane 5 : Human fetal kidney tissue lysate
Lane 6 : Human fetal spleen tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

Lanes 1-3 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Lanes 4-6 : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

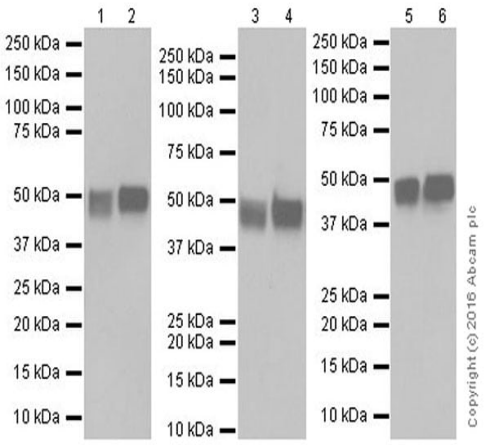
Developed using the ECL technique.

Predicted band size: 44 kDa

Observed band size: 44 kDa

Exposure time: 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

All lanes : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/1000 dilution

Lane 1 : Mouse kidney tissue lysate

Lane 2 : Mouse spleen tissue lysate

Lane 3 : Rat brain tissue lysate

Lane 4 : Rat kidney tissue lysate

Lane 5 : C6 (rat glial tumor cell line) whole cell lysate

Lane 6 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

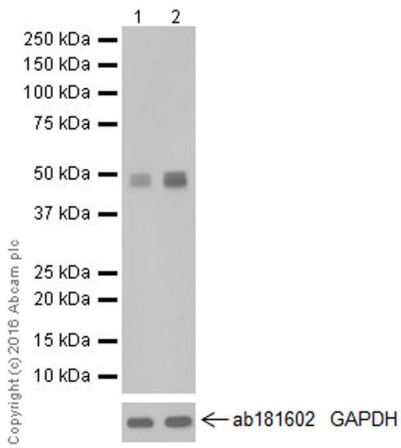
Developed using the ECL technique.

Predicted band size: 44 kDa

Observed band size: 44 kDa

Exposure times: Lane 1-2: 5 seconds; Lane 3-6: 3 seconds.

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

All lanes : Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846) at 1/20000 dilution

Lane 1 : Untreated HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate
Lane 2 : HepG2 (human liver hepatocellular carcinoma cell line) treated with 500 ng/ml Lipopolysaccharides for 4 hours, whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

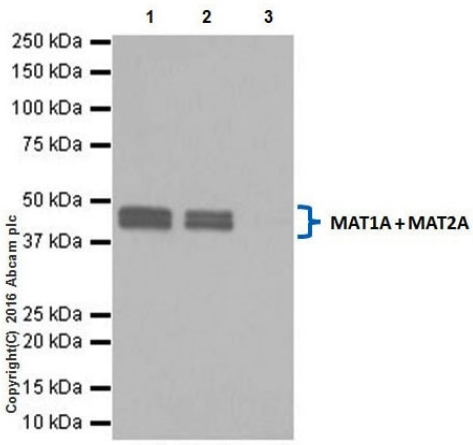
Developed using the ECL technique.

Predicted band size: 44 kDa
Observed band size: 44 kDa

Exposure time: 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

The expression profile observed is consistent with what has been described in the literature (PMID: 18695670 and PMID: 22879628).



Immunoprecipitation - Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

MAT2A was immunoprecipitated from 0.35 mg of Ramos (human Burkitt's lymphoma cell line) whole cell lysate with ab192846 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab192846 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

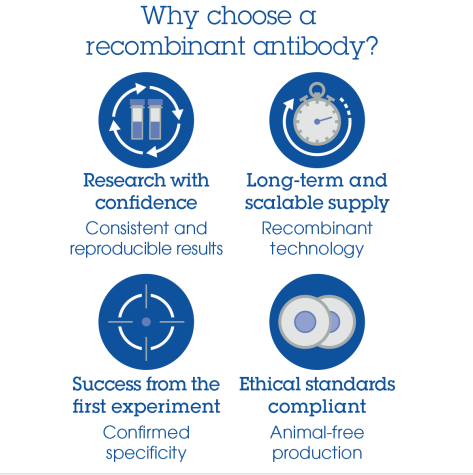
Lane 1: Ramos whole cell lysate 10 µg (Input).

Lane 2: ab192846 IP in Ramos whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab192846 in Ramos whole cell lysate.

Exposure time: 1 second.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.



Anti-MAT1A + MAT2A antibody [EPR19048] (ab192846)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors