

### Anti-MTAP antibody [EPR6893] ab126770

KO 評価済 リコンビナント RabMAb

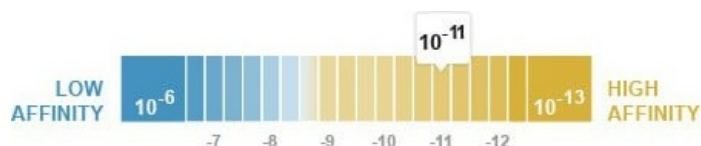
★★★★☆ 1 Abreviews 8 References 画像数 12

#### 製品の概要

製品名	Anti-MTAP antibody [EPR6893]
製品の詳細	Rabbit monoclonal [EPR6893] to MTAP
由来種	Rabbit
特異性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human MTAP aa 200-300. The exact sequence is proprietary. Database link: <a href="#">Q13126</a>
ポジティブ・コントロール	WB: HeLa, 293T, HT29, C6, RAW 264.7, and NIH 3T3 cell lysates. ICC/IF: HeLa cells. Flow Cyt (intra): HeLa cells. IHC-P: Human kidney, mouse kidney, and human lung carcinoma tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 製品の特性

製品の状態	Liquid
保存方法	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.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 2.60 x 10 <sup>-11</sup> M



## Learn more about K<sub>D</sub>

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR6893
アイソタイプ	IgG

## アプリケーション

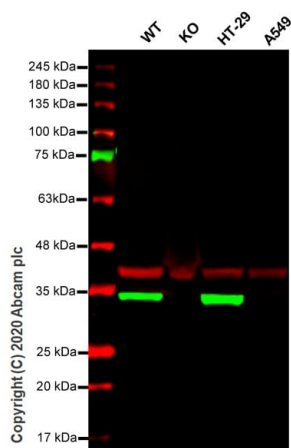
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab126770の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/90. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. <b>For unpurified use at 1/100 - 1/500.</b>
WB		1/1000 - 1/10000. Detects a band of approximately 29 kDa (predicted molecular weight: 31 kDa).
IP		1/10 - 1/100.
IHC-P	★★★★★ (1)	1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat <b>For unpurified use at 1:50 - 1:100.</b>
ICC/IF		1/50 - 1/250.

## ターゲット情報

機能	Plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine.
組織特異性	Ubiquitously expressed.
配列類似性	Belongs to the PNP/MTAP phosphorylase family.
細胞内局在	Cytoplasm.

## 画像



Western blot - Anti-MTAP antibody [EPR6893]  
(ab126770)

**All lanes** : Anti-MTAP antibody [EPR6893] (ab126770) at 1/1000 dilution

**Lane 1** : Wild-type HeLa cell lysate

**Lane 2** : MTAP knockout HeLa cell lysate

**Lane 3** : HT-29 cell lysate

**Lane 4** : A549 cell lysate

Lysates/proteins at 20 µg per lane.

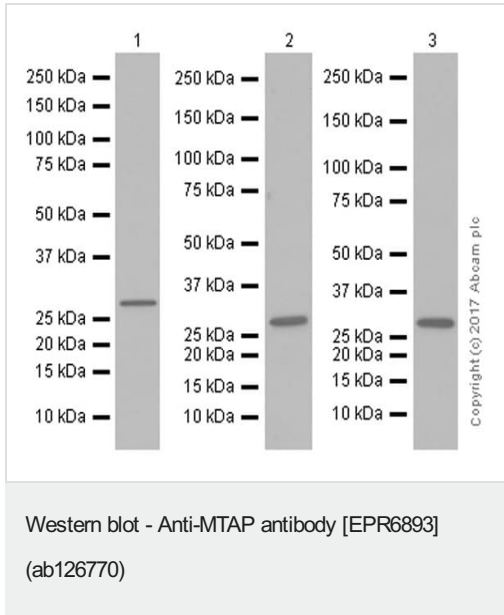
Performed under reducing conditions.

**Predicted band size:** 31 kDa

**Observed band size:** 32 kDa

**anes 1- 4:** Merged signal (red and green). Green - ab126770 observed at 32 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

ab126770 Anti-MTAP antibody [EPR6893] was shown to specifically react with MTAP in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265272](#) (knockout cell lysate [ab257194](#)) was used. Wild-type and MTAP knockout samples were subjected to SDS-PAGE. ab126770 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.



**All lanes :** Anti-MTAP antibody [EPR6893] (ab126770) at 1/10000 dilution (purified)

**Lane 1 :** NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates

**Lane 2 :** C6 (Rat glial tumor glial cell) whole cell lysates

**Lane 3 :** Mouse kidney lysates

Lysates/proteins at 15 µg per lane.

#### Secondary

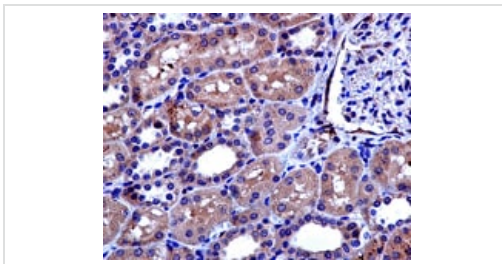
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 31 kDa

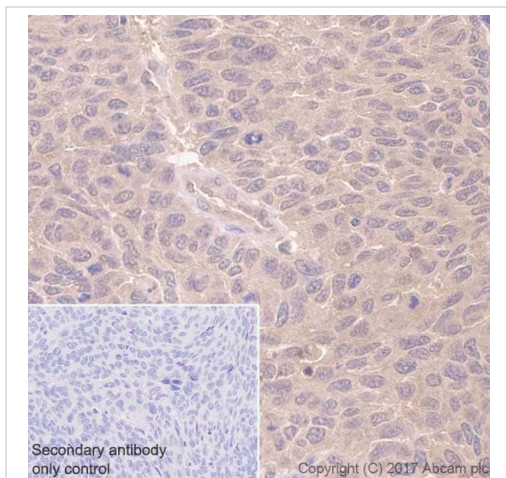
Blocking and diluting buffer : 5% NFDM/TBST

Formalin-fixed, paraffin-embedded human kidney tissue stained for MTAP with unpurified ab126770 (1/50 dilution) in immunohistochemical analysis.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

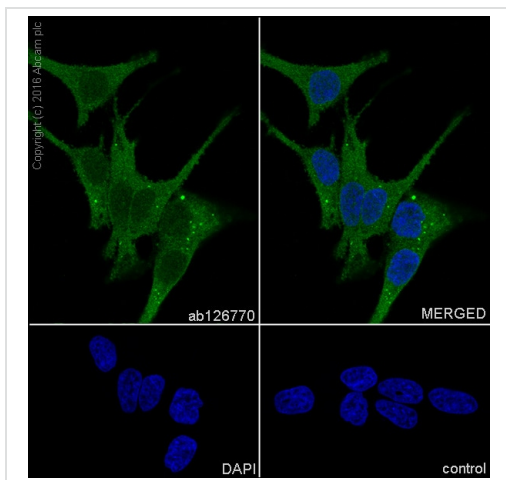


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTAP antibody [EPR6893] (ab126770)



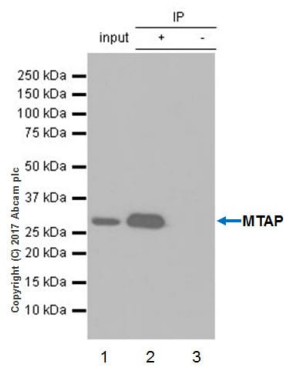
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human lung carcinoma tissue sections labeling MTAP with Purified ab126770 at 1:1000 dilution (0.89 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTAP antibody [EPR6893] (ab126770)



Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) labeling MTAP with Purified ab126770 at 1/250 dilution. Cells were fixed with 4% PFA and permeabilized with 0.1% tritonX-100. **ab150077** Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.

Immunocytochemistry/ Immunofluorescence - Anti-MTAP antibody [EPR6893] (ab126770)



Immunoprecipitation - Anti-MTAP antibody  
[EPR6893] (ab126770)

ab126770 (purified) at 1:50 dilution (2 $\mu$ g) immunoprecipitating MTAP in HT-29 whole cell lysate.

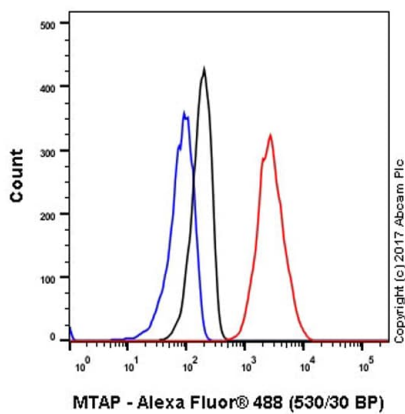
Lane 1 (input): HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate 10 $\mu$ g

Lane 2 (+): ab126770 & HT-29 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab126770 in HT-29 whole cell lysate

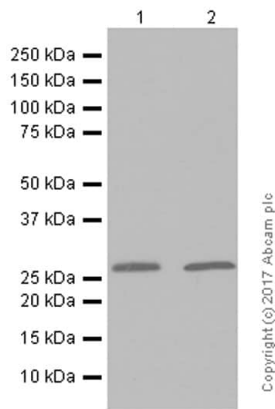
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFD/MTBST.



Flow Cytometry (Intracellular) - Anti-MTAP antibody  
[EPR6893] (ab126770)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling MTAP with purified ab126770 at 1/90 dilution (10  $\mu$ g/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor<sup>®</sup> 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-MTAP antibody [EPR6893] (ab126770)

**All lanes** : Anti-MTAP antibody [EPR6893] (ab126770) at 1/2000 dilution (purified)

**Lane 1** : HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

**Lane 2** : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysates

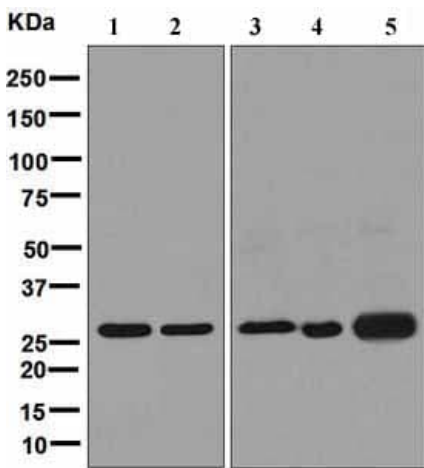
Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 31 kDa

Blocking and diluting buffer : 5% NFDM/TBST



Western blot - Anti-MTAP antibody [EPR6893] (ab126770)

**All lanes** : Anti-MTAP antibody [EPR6893] (ab126770) at 1/1000 dilution (unpurified)

**Lane 1** : 293T cell lysates

**Lane 2** : HT29 cell lysates

**Lane 3** : C6 cell lysates

**Lane 4** : RAW 264.7 cell lysates

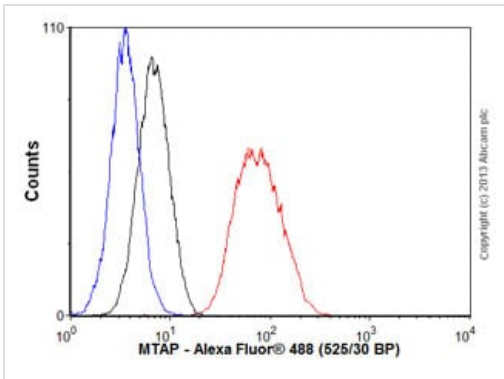
**Lane 5** : NIH 3T3 cell lysates

Lysates/proteins at 10 µg per lane.

**Secondary**

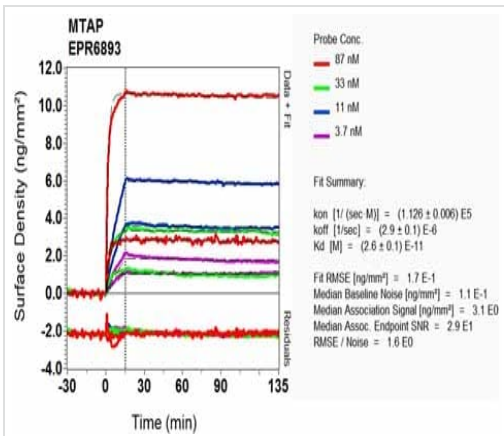
**All lanes** : Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 31 kDa



Flow Cytometry (Intracellular) - Anti-MTAP antibody [EPR6893] (ab126770)

Overlay histogram showing HeLa cells stained with unpurified ab126770 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab126770, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor<sup>®</sup> 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



OI-RD Scanning - Anti-MTAP antibody [EPR6893] (ab126770)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

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

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-MTAP antibody [EPR6893] (ab126770)



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

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