abcam

Product datasheet

Anti-Citrate synthetase antibody ab96600

★★★★★ 10 Abreviews 139 References 画像数 12

製品の概要

製品名	Anti-Citrate synthetase antibody
製品の詳細	Rabbit polyclonal to Citrate synthetase
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, ICC/IF, IP, WB
種交差性	**交差種:** Mouse, Rat, Human, Zebrafish **交差が予測される動物種:** Cow, Pig, Xenopus laevis
免疫原	Recombinant fragment within Human Citrate synthetase aa 44-316. The exact sequence is proprietary. NP_938083
ポジティブ・コントロール	WB: HEK-293T, A431, HeLa and HepG2 whole cell lysate (**ab7900**) and zebrafish skeletal muscle tissue and mouse liver mitochondrial homogenates. ICC/IF: HeLa and U-2 OS cells. IHC-P: Human colon, mouse intestine, mouse muscle and NCI-N87 xenograft tissues. IP: HEK-293T whole cell lysate.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
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ab96600の使用に適用されます

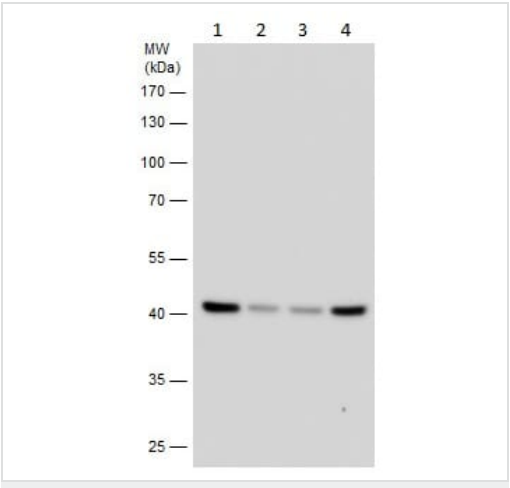
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★☆ (1)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	1/100 - 1/1000.
IP		1/100 - 1/500.
WB	★★★★★ (8)	1/500 - 1/3000. Predicted molecular weight: 52 kDa.

ターゲット情報

パスウェイ	Carbohydrate metabolism; tricarboxylic acid cycle; isocitrate from oxaloacetate: step 1/2.
配列類似性	Belongs to the citrate synthase family.
細胞内局在	Mitochondrion matrix.

画像



Western blot - Anti-Citrate synthetase antibody (ab96600)

All lanes : Anti-Citrate synthetase antibody (ab96600) at 1/1000 dilution

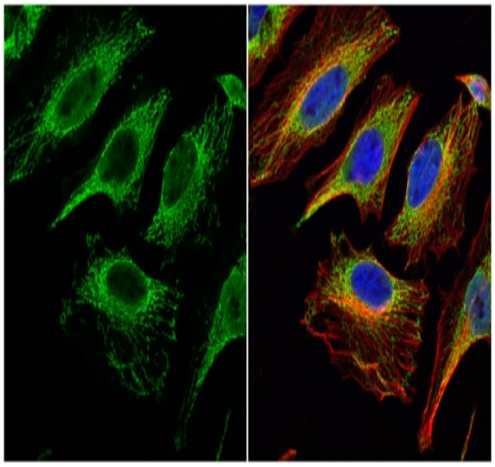
Lane 1 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
Lane 2 : A431 (Human epidermoid carcinoma cell line) whole cell lysate
Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate
Lane 4 : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

Secondary
All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 52 kDa

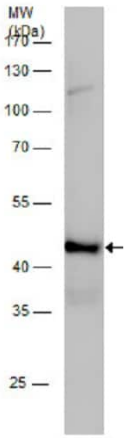
10% SDS-PAGE.



Immunocytochemistry/ Immunofluorescence - Anti-Citrate synthetase antibody (ab96600)

Immunocytochemistry/Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling Citrate synthetase (green) with ab96600 at a dilution of 1/200.

Cells were fixed in 4% paraformaldehyde at room temperature for 15 minutes. Alpha Tubulin (red) was stained with **ab184613** at a dilution of 1/1000. Blue: Hoechst 33342 staining.

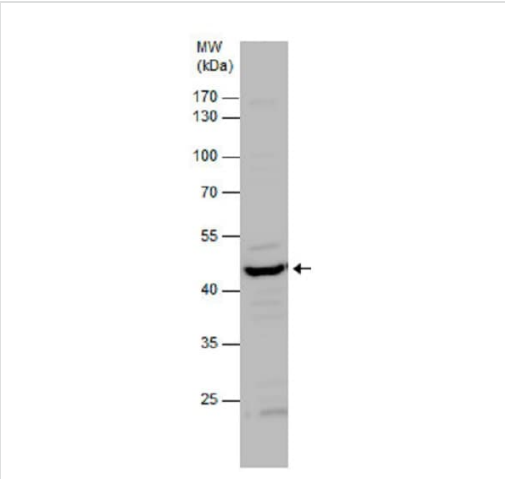


Western blot - Anti-Citrate synthetase antibody (ab96600)

Anti-Citrate synthetase antibody (ab96600) at 1/1000 dilution + Rat muscle tissue extracts at 50 µg

Predicted band size: 52 kDa

10% SDS-PAGE.



Western blot - Anti-Citrate synthetase antibody (ab96600)

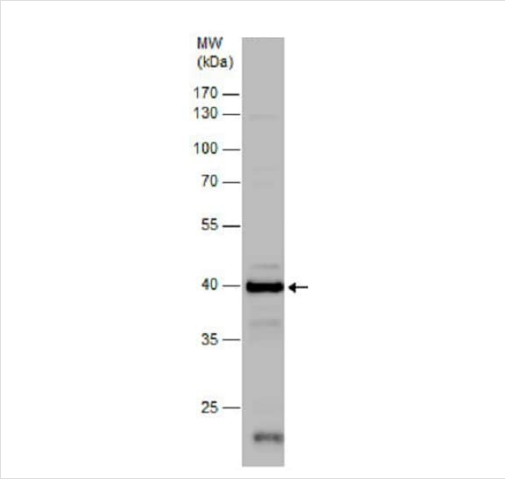
Anti-Citrate synthetase antibody (ab96600) at 1/1000 dilution + Rat brain tissue extracts at 50 µg

Secondary

HRP-conjugated anti-rabbit IgG

Predicted band size: 52 kDa

10% SDS-PAGE.



Western blot - Anti-Citrate synthetase antibody (ab96600)

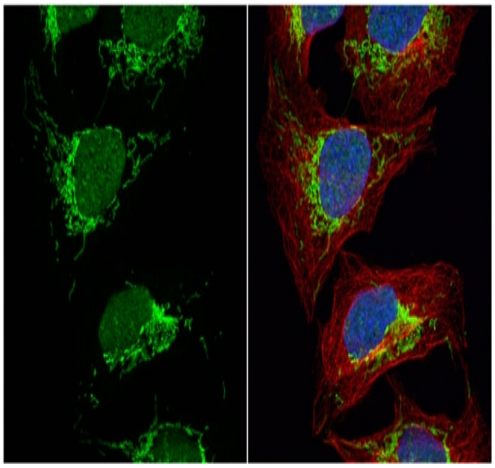
Anti-Citrate synthetase antibody (ab96600) at 1/1000 dilution + Mouse brain tissue extracts at 50 µg

Secondary

HRP-conjugated anti-rabbit IgG

Predicted band size: 52 kDa

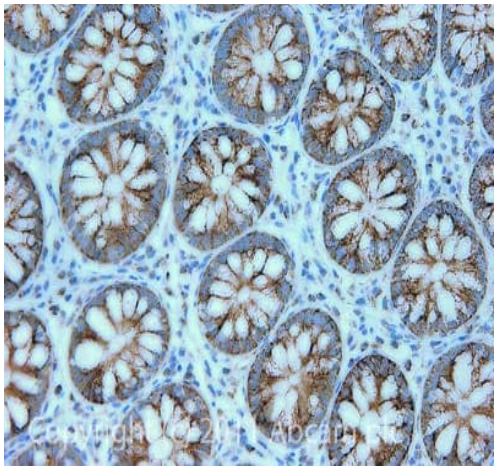
10% SDS-PAGE.



Immunocytochemistry/ Immunofluorescence - Anti-Citrate synthetase antibody (ab96600)

Immunocytochemistry/Immunofluorescence analysis of U-2 OS (Human bone osteosarcoma epithelial cell line) cells labelling Citrate synthetase (green) with ab96600 at a dilution of 1/500.

Cells were fixed in 4% paraformaldehyde at room temperature for 15 minutes. Alpha Tubulin (red) was stained with **ab184613** at a dilution of 1/1000. Blue: Hoechst 33342 staining.

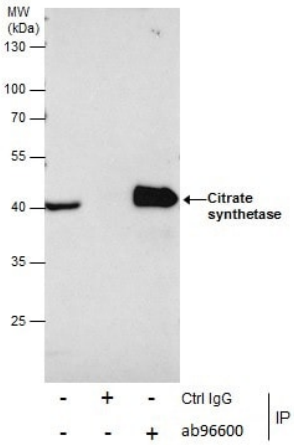


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody (ab96600)

IHC image of ab96600 staining in human colon formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab96600, 5 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

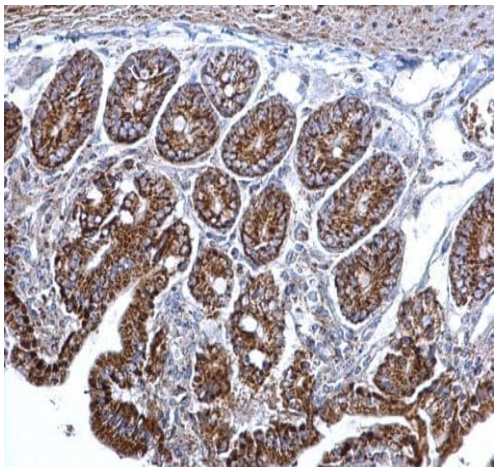
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunoprecipitation - Anti-Citrate synthetase antibody (ab96600)

Immunoprecipitation of Citrate synthetase from HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate using 5 µg of ab96600.

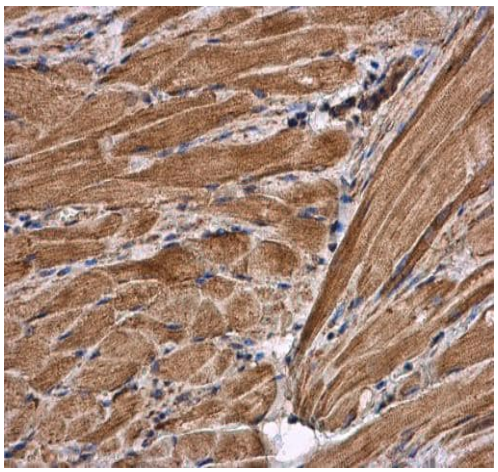
Western blot analysis was performed using ab96600.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody (ab96600)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse intestine tissue labeling Citrate synthetase with ab96600 at a dilution of 1/500.

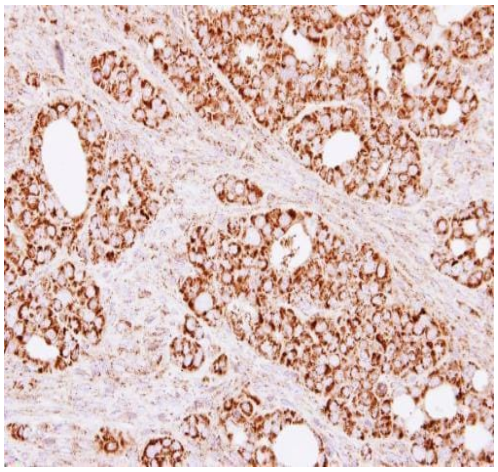
Antigen Retrieval: EDTA based buffer, 15 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody (ab96600)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse muscle tissue labeling Citrate synthetase with ab96600 at a dilution of 1/500.

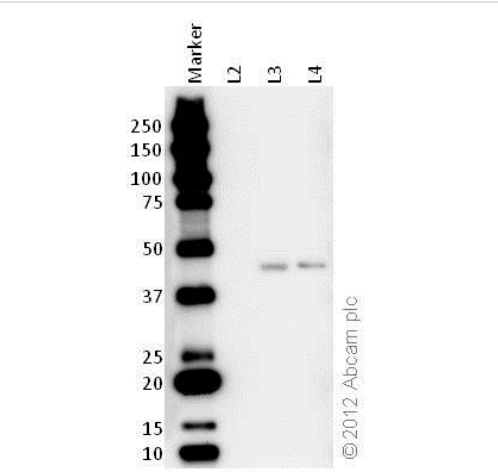
Antigen Retrieval: Citrate buffer, pH 6.0, 15 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Citrate synthetase antibody (ab96600)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of NCI-N87 xenograft tissue labeling Citrate synthetase with ab96600 at a dilution of 1/500.

Antigen Retrieval: EDTA based buffer, 15 mins.



Western blot - Anti-Citrate synthetase antibody (ab96600)

All lanes : Anti-Citrate synthetase antibody (ab96600) at 1 µg/ml

Lane 1 : Marker
Lane 2 : Zebrafish liver homogenate (20ug)
Lane 3 : Zebrafish skeletal muscle homogenate (20ug)
Lane 4 : Mouse liver mitochondrial homogenate (20ug)

Secondary
All lanes : Goat polyclonal to Rabbit IgG – H&L – Pre-Adsorbed (HRP) at 1/6000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 52 kDa
Observed band size: 47 kDa

Exposure time: 5 minutes

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