abcam

Product datasheet

Anti-THEA antibody [EPR18792] ab180745

Recombinant RabMAb

★★★★★ 1 Abreviews 5 Images

Overview

Product name	Anti-THEA antibody [EPR18792]
Description	Rabbit monoclonal [EPR18792] to THEA
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver, heart and kidney tissue lysates; Mouse brown adipose, kidney, heart and spleen tissue lysates; NIH/3T3, Jurkat, LNCaP and HepG2 whole cell lysates.
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	Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18792
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab180745 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 68 kDa (predicted molecular weight: 68 kDa).

Target

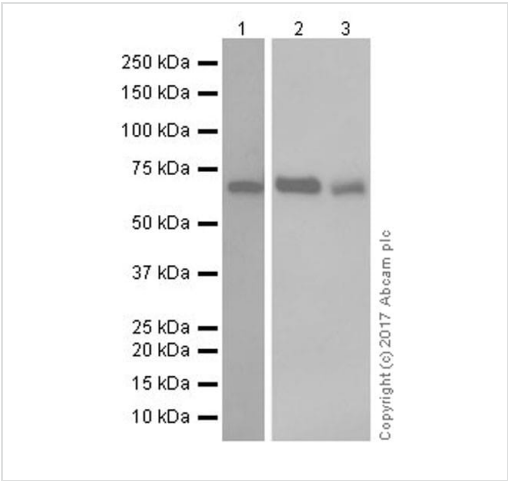
Function Has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates.

Tissue specificity Isoform 1 is predominantly expressed in skeletal muscle, liver, testis, stomach, spleen, lung and brain. Isoform 2 is predominantly expressed in kidney, uterus, hibernoma and white adipose tissue.

Sequence similarities Contains 2 acyl coenzyme A hydrolase domains.
Contains 1 START domain.

Cellular localization Cytoplasm.

Images



Western blot - Anti-THEA antibody [EPR18792] (ab180745)

All lanes : Anti-THEA antibody [EPR18792] (ab180745) at 1/1000 dilution

Lane 1 : Human fetal liver tissue lysate
Lane 2 : Human fetal heart tissue lysate
Lane 3 : Human fetal kidney tissue lysate

Lysates/proteins at 10 µg per lane.

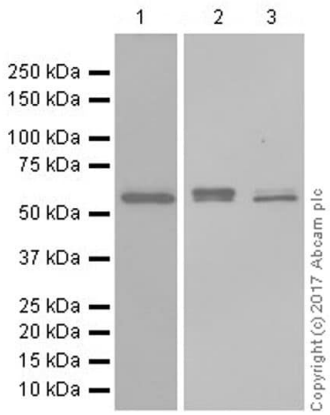
Secondary
All lanes : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/10000 dilution

Developed using the ECL technique.

Predicted band size: 68 kDa
Observed band size: 68 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1: 3 minutes; Lane 2/3: 15 seconds.



Western blot - Anti-THEA antibody [EPR18792] (ab180745)

All lanes : Anti-THEA antibody [EPR18792] (ab180745) at 1/2000 dilution

Lane 1 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 2 : LNCaP (human prostate cancer cell line) whole cell lysate
Lane 3 : HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

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

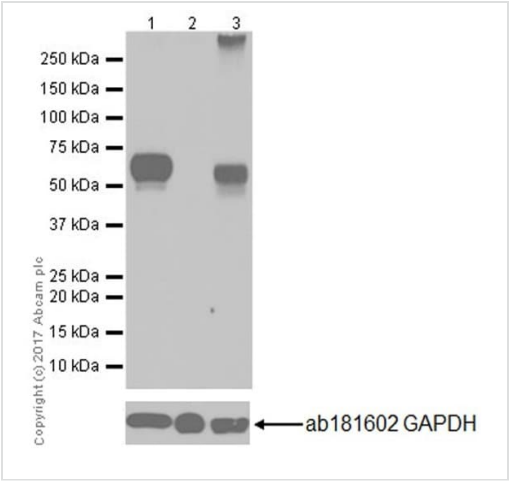
Developed using the ECL technique.

Predicted band size: 68 kDa
Observed band size: 67,68 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1: 3 minutes; Lane 2/3: 15 seconds.

This antibody can recognize 2 isoforms in human, the predicted MW is 68 & 67 KDa.



Western blot - Anti-THEA antibody [EPR18792] (ab180745)

All lanes : Anti-THEA antibody [EPR18792] (ab180745) at 1/1000 dilution

Lane 1 : Mouse brown adipose lysate
Lane 2 : Mouse liver lysate
Lane 3 : Mouse kidney lysate

Lysates/proteins at 20 µg per lane.

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

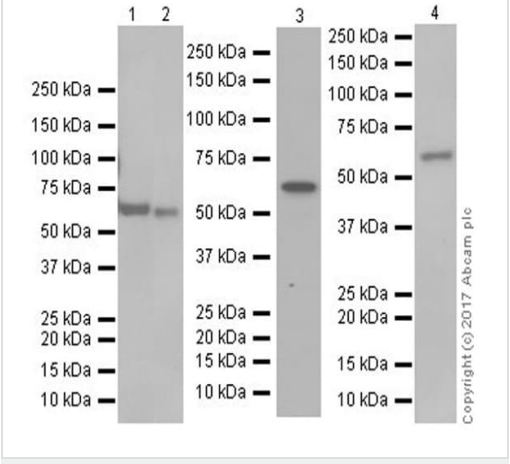
Developed using the ECL technique.

Predicted band size: 68 kDa
Observed band size: 68 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

The expression profile observed is consistent with what has been described in the literature (PMID: 22427358 and PMID:11696000).



Western blot - Anti-THEA antibody [EPR18792] (ab180745)

All lanes : Anti-THEA antibody [EPR18792] (ab180745) at 1/1000 dilution

Lane 1 : Mouse heart lysate
Lane 2 : Mouse spleen lysate
Lane 3 : Mouse kidney lysate
Lane 4 : NIH/3T3 (mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

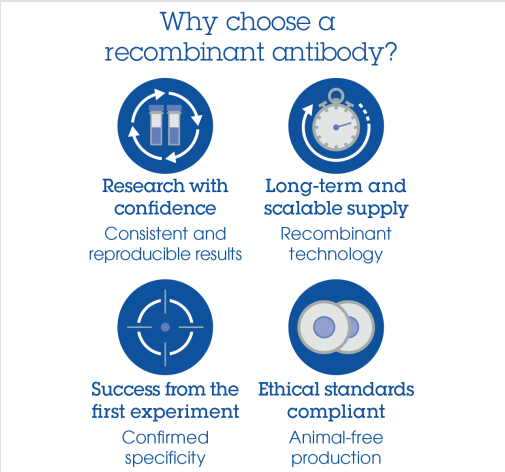
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 68 kDa
Observed band size: 68 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1/2: 1 minute; Lane 3: 10 seconds; Lane 4: 15 seconds.



Anti-THEA antibody [EPR18792] (ab180745)

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