

### Anti-TRP1 antibody [EPR13063] ab178676

リコンビナント RabMAb

**12 References** [画像数 10](#)

#### 製品の概要

製品名	Anti-TRP1 antibody [EPR13063]
製品の詳細	Rabbit monoclonal [EPR13063] to TRP1
由来種	Rabbit
特異性	The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), IHC-P, WB, ICC/IF
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Human melanoma lysate; B16-F0 cell lysate; Human skin tissue; B16-F0 cells. WB: MeWo, B16-F0 and SK-MEL-28 cell lysates
特記事項	<b>This antibody is unsuitable for IHC-P on mouse samples.</b>  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 <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> .  Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

#### 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.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR13063
アイソタイプ	IgG

## アプリケーション

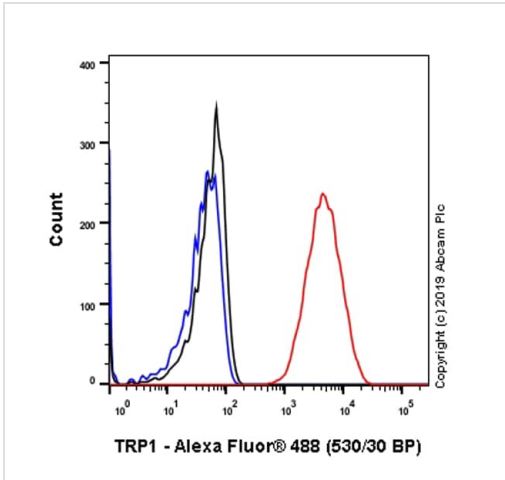
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab178676の使用に適用されず**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/40.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <b>IHC antigen retrieval protocols</b> .  For the unpurified format use at 1/100 - 1/250 dilution.  The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
WB		1/10000 - 1/50000. Predicted molecular weight: 61 kDa.
ICC/IF		1/100 - 1/250.

## ターゲット情報

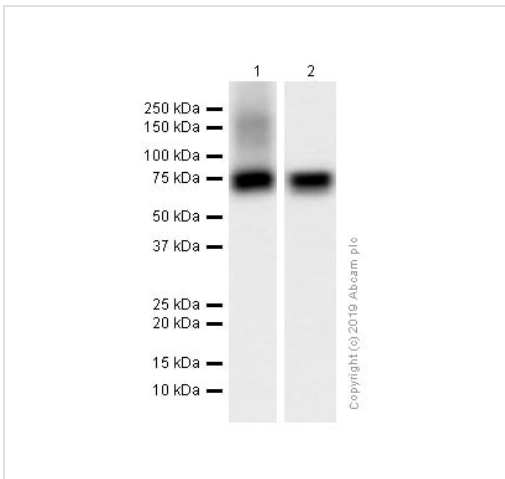
機能	Oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized.
組織特異性	Pigment cells.
パスウェイ	Pigment biosynthesis; melanin biosynthesis.
関連疾患	Defects in TYRP1 are the cause of albinism oculocutaneous type 3 (OCA3) [MIM:203290]; also known as Rufous oculocutaneous albinism. An autosomal recessive disorder in which the biosynthesis of melanin pigment is reduced in skin, hair, and eyes. Tyrosinase activity is normal and patients have only moderate reduction of pigment. The eyes present red reflex on transillumination of the iris, dilution of color of iris, nystagmus and strabismus. Darker-skinned individuals have bright copper-red coloration of the skin and hair.
配列類似性	Belongs to the tyrosinase family.
細胞内局在	Melanosome membrane.

## 画像



Flow Cytometry (Intracellular) - Anti-TRP1 antibody [EPR13063] (ab178676)

Intracellular Flow Cytometry analysis of B16-F0 (Mouse melanoma epithelial cell-like) cells labeling TRP1 with purified ab178676 at 1/40 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-TRP1 antibody [EPR13063] (ab178676)

**All lanes** : Anti-TRP1 antibody [EPR13063] (ab178676) at 1/50000 dilution (Purified)

**Lane 1** : MeWo (Human malignant melanoma fibroblast) whole cell lysates

**Lane 2** : B16-F0 (Mouse melanoma epithelial cell-like) whole cell lysates

Lysates/proteins at 20 µg per lane.

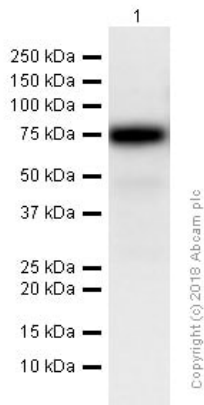
**Secondary**

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

**Predicted band size:** 61 kDa

**Observed band size:** 75 kDa

The observed molecular weight is consistent with what have been described in literatures PMID: 24586946 and 27690000.



Western blot - Anti-TRP1 antibody [EPR13063] (ab178676)

Anti-TRP1 antibody [EPR13063] (ab178676) at 1/10000 dilution (Purified) + SK-MEL-28 (Human malignant melanoma ) whole cell lysates at 20 µg

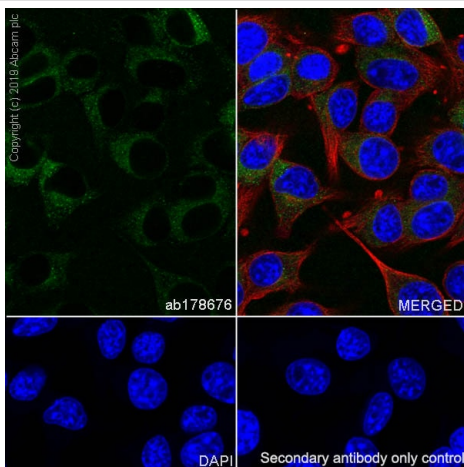
### Secondary

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

**Predicted band size:** 61 kDa

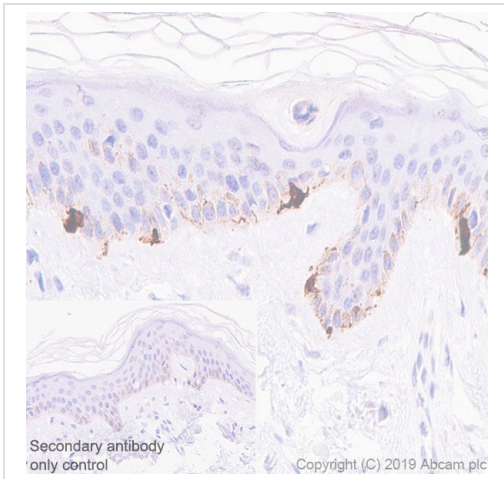
**Observed band size:** 75 kDa

The observed molecular weight is consistent with what have been described in literatures PMID: 24586946 and 27690000.



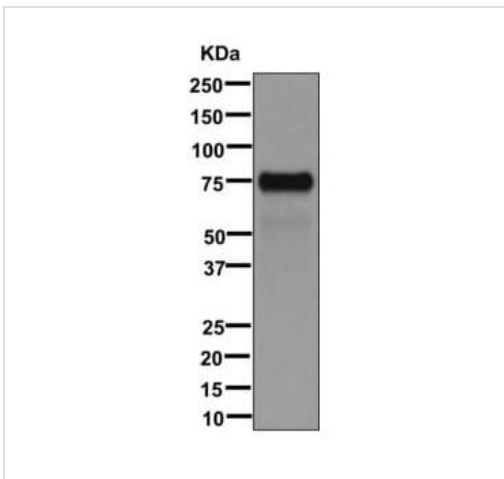
Immunocytochemistry/ Immunofluorescence - Anti-TRP1 antibody [EPR13063] (ab178676)

Immunocytochemistry/ Immunofluorescence analysis of B16-F10 (Mouse melanoma epithelial cell-like) cells labeling TRP1 with purified ab178676 at 1:100 dilution (3.6 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with [ab195889](#) Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skin tissue sections labeling TRP1 with purified ab178676 at 1:1000 dilution (0.36 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

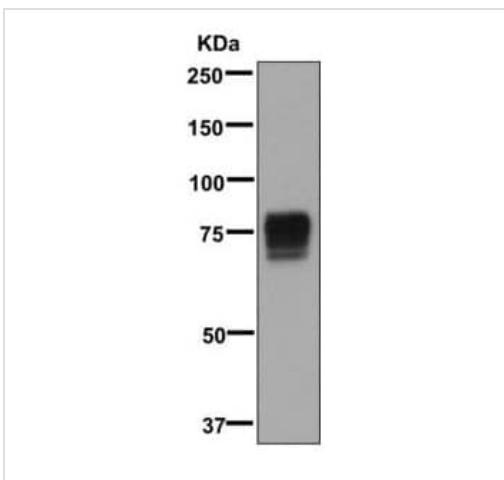
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRP1 antibody [EPR13063] (ab178676)



Anti-TRP1 antibody [EPR13063] (ab178676) at 1/10000 dilution (unpurified) + Human melanoma lysate at 10 µg

**Predicted band size:** 61 kDa

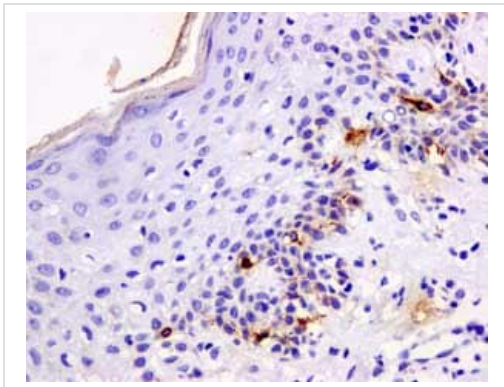
Western blot - Anti-TRP1 antibody [EPR13063] (ab178676)



Anti-TRP1 antibody [EPR13063] (ab178676) at 1/10000 dilution (unpurified) + B16-F0 cell lysate at 10 µg

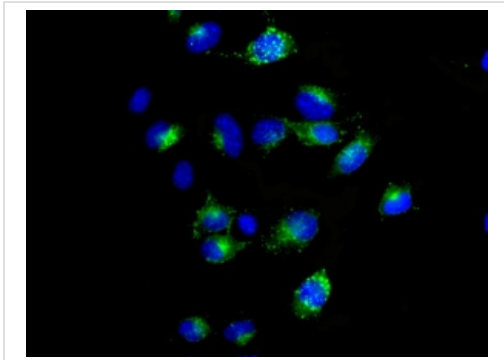
**Predicted band size:** 61 kDa

Western blot - Anti-TRP1 antibody [EPR13063] (ab178676)



Immunohistochemical analysis of paraffin-embedded Human skin tissue labeling TRP1 with ab178676 (unpurified) at 1/100 dilution.





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRP1 antibody [EPR13063] (ab178676)



Immunofluorescent analysis of B16-F0 cells labeling TRP1 with ab178676 (unpurified) at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-TRP1 antibody [EPR13063] (ab178676)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-TRP1 antibody [EPR13063] (ab178676)

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