

Anti-TRP1 antibody [EPR13063] ab178676

重组 RabMAb

12 References 10 图像

概述

产品名称	Anti-TRP1抗体[EPR13063]
描述	兔单克隆抗体[EPR13063] to TRP1
宿主	Rabbit
特异性	The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
经测试应用	适用于: Flow Cyt (Intra), IHC-P, WB, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human melanoma lysate; B16-F0 cell lysate; Human skin tissue; B16-F0 cells. WB: MeWo, B16-F0 and SK-MEL-28 cell lysates
常规说明	<p>This antibody is unsuitable for IHC-P on mouse samples.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR13063
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab178676于以下的经测试应用

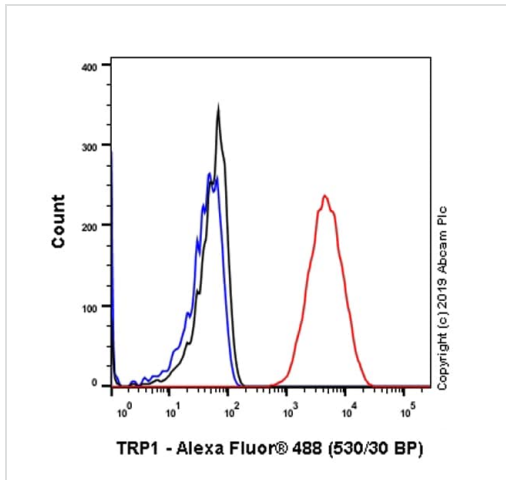
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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 IHC antigen retrieval protocols . 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.

靶标

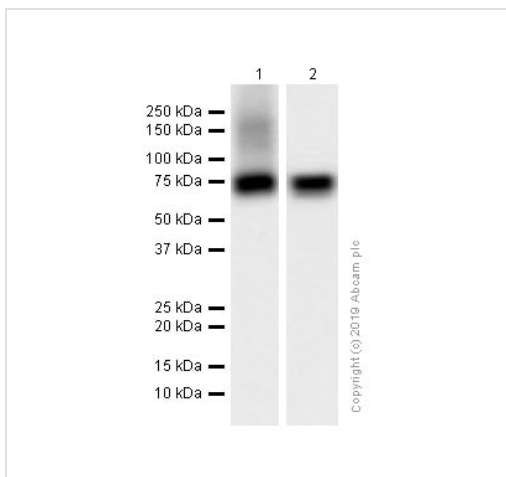
功能	Oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized.
组织特异性	Pigment cells.
通路	Pigment biosynthesis; melanin biosynthesis.
疾病相关	Defects in TYRP1 are the cause of albinism oculocutaneous type 3 (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.
序列相似性	Belongs to the tyrosinase family.
细胞定位	Melanosome membrane.

图片



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.

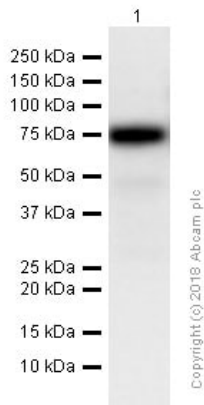
Secondary

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

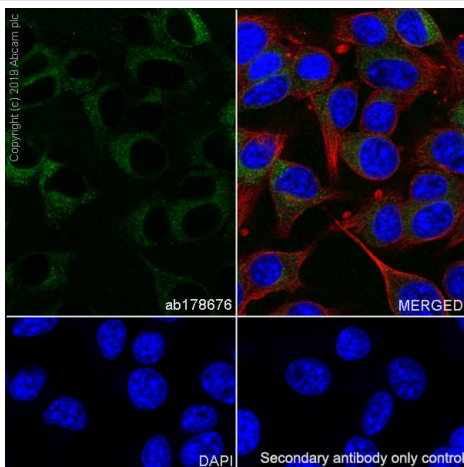
Secondary

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

Predicted band size: 61 kDa

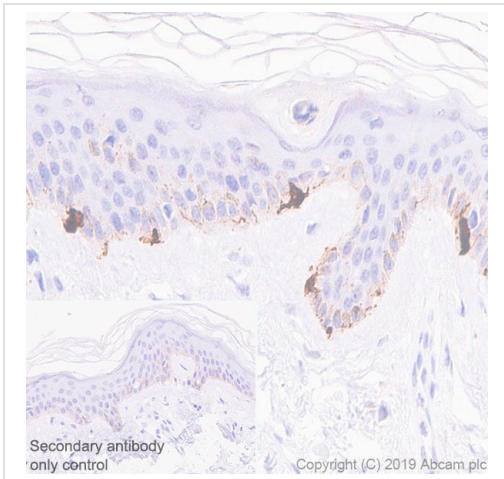
Observed band size: 75 kDa

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



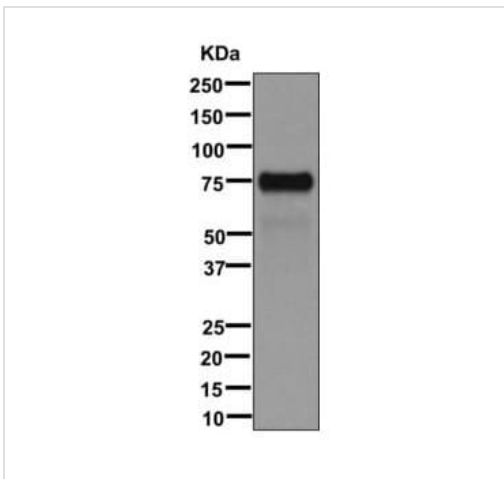
Immunocytochemistry/ Immunofluorescence - Anti-TRP1 antibody [EPR13063] (ab178676)

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.

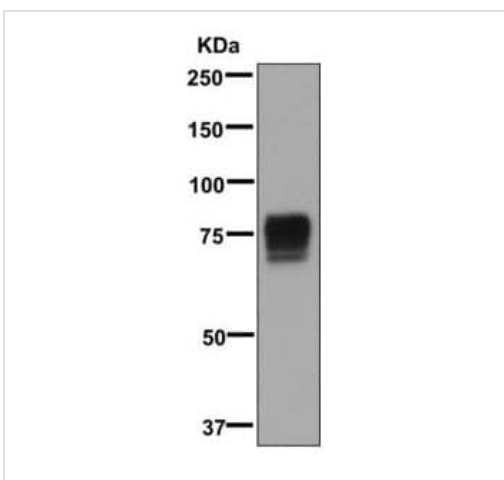
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRP1 antibody [EPR13063] (ab178676)



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

Predicted band size: 61 kDa

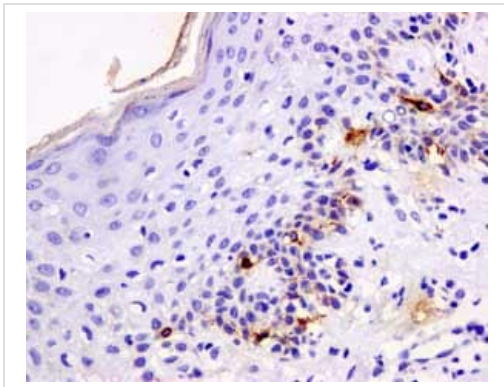
Western blot - Anti-TRP1 antibody [EPR13063] (ab178676)



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

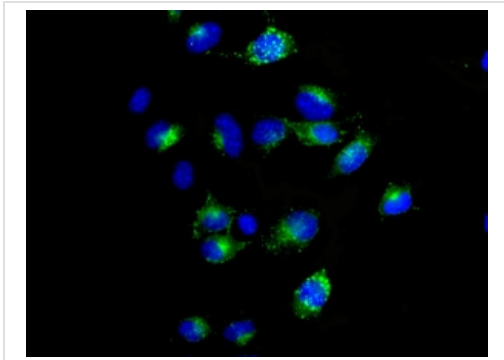
Predicted band size: 61 kDa

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

Anti-TRP1 antibody [EPR13063] (ab178676)

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