

## Product datasheet

### Anti-TRP2/DCT antibody ab74073

★★★★★ [9 Abreviews](#) [51 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-TRP2/DCT antibody
<b>Description</b>	Rabbit polyclonal to TRP2/DCT
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, IHC-P, IHC-Fr, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human TRP2/DCT (internal sequence). Database link: <a href="#">P40126</a>
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7 Preservative: 0.02% Sodium azide Constituents: 0.87% Sodium chloride, 50% Glycerol, PBS
	Without Mg <sup>2+</sup> and Ca <sup>2+</sup>
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab74073 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
ELISA		Use at an assay dependent concentration.
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.
WB	★★★★★ (2)	1/500 - 1/1000. Predicted molecular weight: 59 kDa. TRP2 protein is a single-pass type I membrane protein, these types of proteins are known to aggregate when boiled, therefore, we recommend heating the lysates in sample buffer for 15-20 minutes at 60-70°C instead of boiling.
ICC/IF	★★★★★ (2)	1/100 - 1/500.

## Target

### Function

Involved in regulating eumelanin and phaeomelanin levels.

### Pathway

Pigment biosynthesis; melanin biosynthesis.

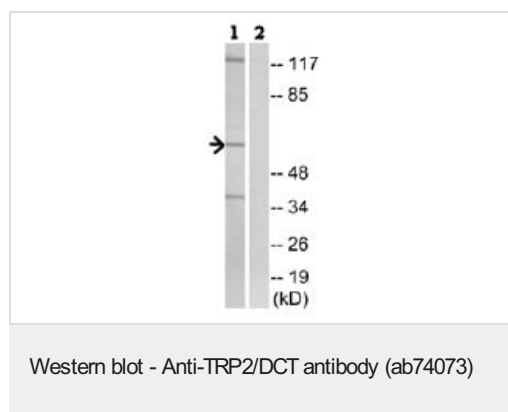
### Sequence similarities

Belongs to the tyrosinase family.

### Cellular localization

Melanosome membrane.

## Images



**All lanes :** Anti-TRP2/DCT antibody (ab74073) at 1/500 dilution

**Lane 1 :** Extracts from K562 cells with no peptide

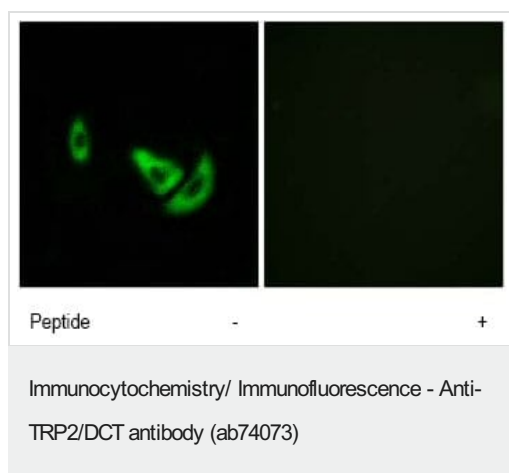
**Lane 2 :** Extracts from K562 cells with peptide at 5 µg

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 59 kDa

**Observed band size:** 59 kDa

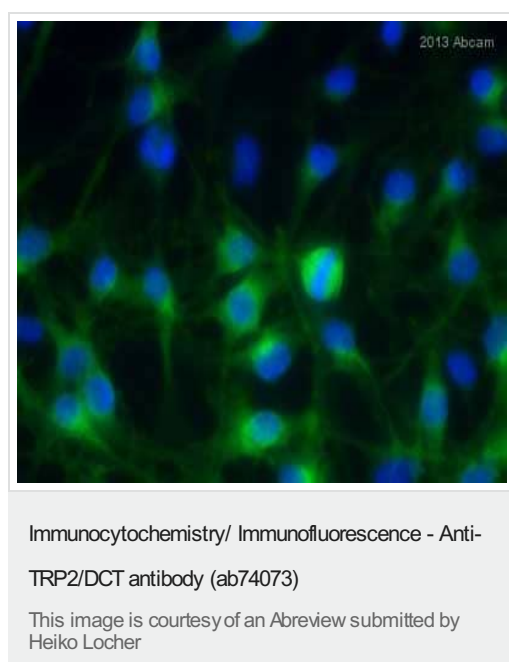
**Additional bands at:** 117 kDa, 39 kDa. We are unsure as to the identity of these extra bands.



Immunofluorescence analysis of TRP2/DCT in A549 cells, using ab74073 at a dilution of 1/500.

Left hand panel: no peptide

right hand panel: with immunising peptide.



ab74073 staining TRP2/DCT in Mouse melan-ink melanocytes by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and blocked with 5% serum for 30 hours at room temperature. Samples were incubated with primary antibody (1/100 in PBS -T+ 1% BSA) for 12 hours. An undiluted Alexa Fluor® 488-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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