

## Product datasheet

# Anti-TRP1 antibody ab83774

★★★★☆ 5 Abreviews 3 References 3 Images

### Overview

<b>Product name</b>	Anti-TRP1 antibody
<b>Description</b>	Rabbit polyclonal to TRP1
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Sheep, Rabbit, Goat, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Pig, Zebrafish
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the internal amino acids 396-445 (NDPIFVLLHTFTDAVFDEWLRRYNADISTFPLENAPIGHNHRQYNMVPFWP) of Human TRP1 (NP_000541). <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	721_B cell lysate

### 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>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab83774** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

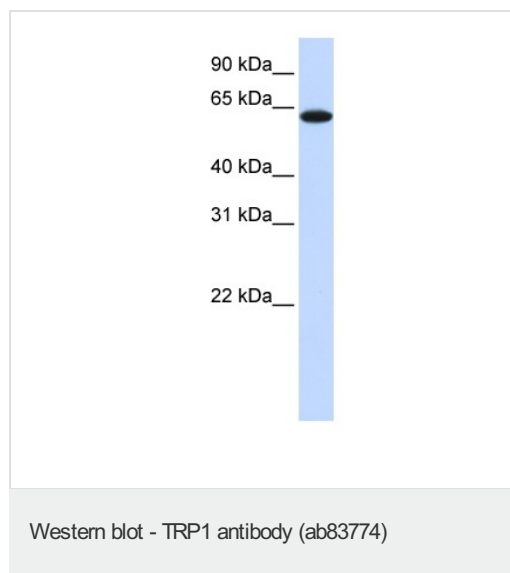
Application	Abreviews	Notes
IHC-P	★★★★★	Use a concentration of 5 µg/ml.

Application	Abreviews	Notes
ICC/IF	★★★★☆	Use at an assay dependent concentration.
WB	★★★★★	Use a concentration of 1 µg/ml. Predicted molecular weight: 61 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Pigment cells.
<b>Pathway</b>	Pigment biosynthesis; melanin biosynthesis.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the tyrosinase family.
<b>Cellular localization</b>	Melanosome membrane.

## Images



Anti-TRP1 antibody (ab83774) at 1 µg/ml (in 5% skim milk / PBS buffer) + 721\_B cell lysate at 10 µg

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size** : 61 kDa

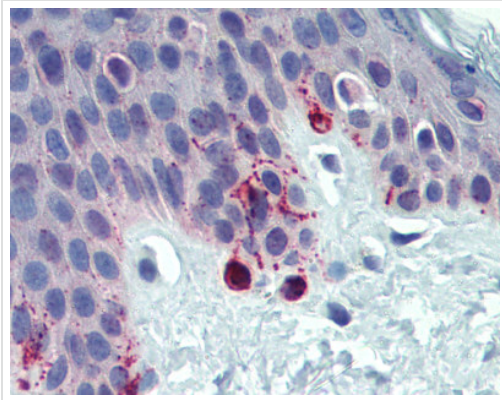
**Observed band size** : 61 kDa



Immunocytochemistry/ Immunofluorescence - TRP1 antibody (ab83774)

Image courtesy of an anonymous Abreview.

ab83774 staining TRP1 in human melanoma MNT-1 cells by Immunocytochemistry/ Immunofluorescence. The cells were fixed in paraformaldehyde, permeabilised in 0.1% Triton X-100 and then blocked using 1% BSA for 1 hour at 22°C. Samples were then incubated with primary antibody at 1/100 for 16 hours at 4°C. The secondary antibody used was a goat anti-rabbit IgG (H+L) conjugated to Alexa Fluor® 594 (red) used at a 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRP1 antibody (ab83774)

ab83774 at 5 µg/ml staining TRP1 in Human skin by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

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