

Product datasheet

Anti-TRP1 antibody ab83774

★★★★☆ 5 Abreviews 3 References 3 Images

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	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.

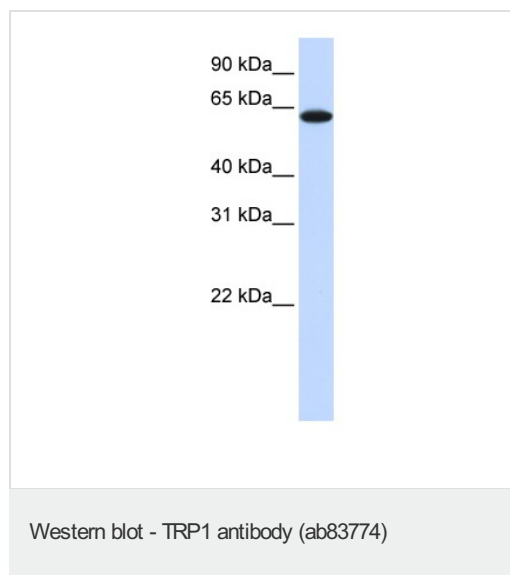
Application	Abreviews	Notes
IHC-P	★★★★★	Use a concentration of 5 µg/ml.

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

Function	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.
Tissue specificity	Pigment cells.
Pathway	Pigment biosynthesis; melanin biosynthesis.
Involvement in disease	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.
Sequence similarities	Belongs to the tyrosinase family.
Cellular localization	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

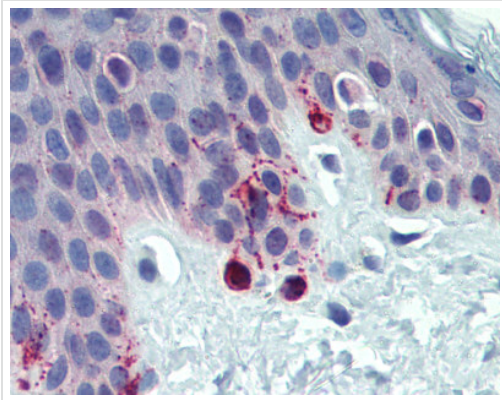
Observed band size : 61 kDa



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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