

**TRP1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56026**

**Specification**

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**TRP1 Polyclonal Antibody - Product Information**

Application	<b>WB, IHC-P</b>
Primary Accession	<a href="#">P17643</a>
Reactivity	<b>Rat, Bovine</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>60724</b>

**TRP1 Polyclonal Antibody - Additional Information**

**Gene ID** 7306

**Other Names**

5, 6-dihydroxyindole-2-carboxylic acid oxidase, DHICA oxidase, 1.14.18.-, Catalase B, Glycoprotein 75, Melanoma antigen gp75, Tyrosinase-related protein 1, TRP, TRP-1, TRP1, TYRP1, CAS2 {ECO:0000303|PubMed:1906272}, TYRP, TYRRP

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**TRP1 Polyclonal Antibody - Protein Information**

**Name** TYRP1 ([HGNC:12450](#))

**Function**

Plays a role in melanin biosynthesis (PubMed:<a href="http://www.uniprot.org/citations/16704458" target="\_blank">16704458</a>, PubMed:<a href="http://www.uniprot.org/citations/22556244" target="\_blank">22556244</a>, PubMed:<a href="http://www.uniprot.org/citations/23504663" target="\_blank">23504663</a>). Catalyzes the oxidation of 5,6- dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid in the presence of bound Cu(2+) ions, but not in the presence of Zn(2+) (PubMed:<a href="http://www.uniprot.org/citations/28661582" target="\_blank">28661582</a>). May regulate or influence the type of melanin synthesized (PubMed:<a href="http://www.uniprot.org/citations/16704458" target="\_blank">16704458</a>, PubMed:<a href="http://www.uniprot.org/citations/22556244" target="\_blank">22556244</a>). Also to a lower extent, capable of hydroxylating tyrosine and producing melanin (By similarity).

**Cellular Location**

Melanosome membrane {ECO:0000250|UniProtKB:P07147}; Single-pass type I membrane protein

{ECO:0000250|UniProtKB:P07147}. Note=Located to mature stage III and IV melanosomes and apposed endosomal tubular membranes. Transported to pigmented melanosomes by the BLOC-1 complex. Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P07147}

#### Tissue Location

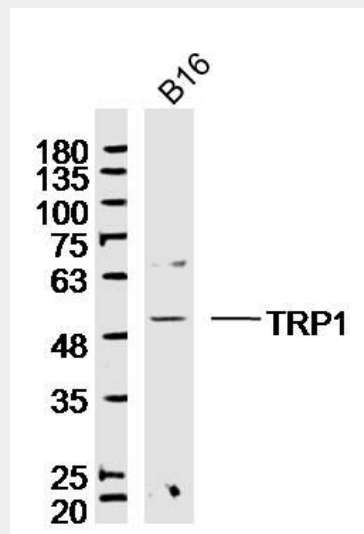
Pigment cells.

#### TRP1 Polyclonal Antibody - Protocols

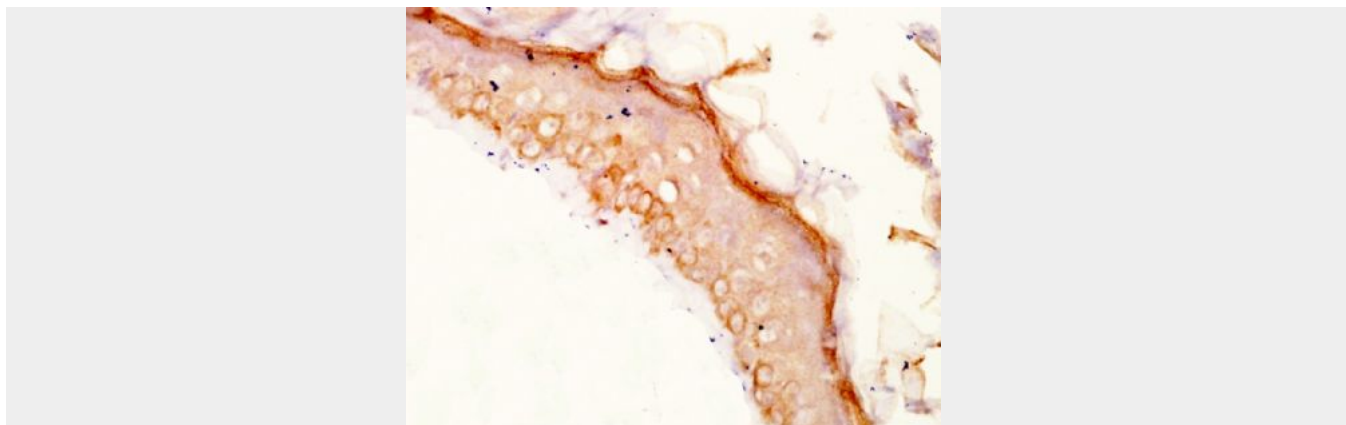
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TRP1 Polyclonal Antibody - Images



Sample: B16 (Mouse) cell Lysate at 40 ug  
Primary: Anti-TRP1(bs-15510R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 58 kD  
Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (Human skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tyrosinase-related protein 1 ) Polyclonal Antibody, Unconjugated (bs-15510R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.