

**TRP1 Antibody**  
Rabbit mAb  
Catalog # AP91747

## Specification

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### TRP1 Antibody - Product Information

Application **WB, IHC, IP**  
Primary Accession [P17643](#)  
Clonality **Monoclonal**  
**Other Names**  
CAS2; CATB; GP75; OCA3; TRP1; TYRP; TYRP1; TYRRP;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **60724 Da**

### TRP1 Antibody - Additional Information

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human TRP1**  
Description **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.**  
Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

### TRP1 Antibody - Protein Information

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

#### Function

Plays a role in melanin biosynthesis (PubMed: [16704458](http://www.uniprot.org/citations/16704458), PubMed: [22556244](http://www.uniprot.org/citations/22556244), PubMed: [23504663](http://www.uniprot.org/citations/23504663)). 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: [28661582](http://www.uniprot.org/citations/28661582)). May regulate or influence the type of melanin synthesized (PubMed: [16704458](http://www.uniprot.org/citations/16704458), PubMed: [22556244](http://www.uniprot.org/citations/22556244)). 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

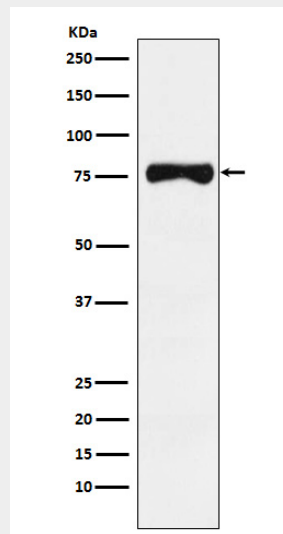
Pigment cells.

### TRP1 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 Antibody - Images



Western blot analysis of TRP1 expression in Human melanoma lysate.