

# TRP1 Antibody

Rabbit mAb

Catalog # AP91747

## Product Information

<b>Application</b>	WB, IHC, IP
<b>Primary Accession</b>	<a href="#">P17643</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CAS2; CATB; GP75; OCA3; TRP1;TYRP; TYRP1; TYRRP;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	60724

## Additional Information

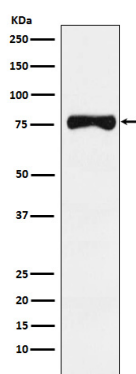
<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human TRP1
<b>Description</b>	Oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

<b>Name</b>	TYRP1 ( <a href="#">HGNC:12450</a> )
<b>Function</b>	Plays a role in melanin biosynthesis (PubMed: <a href="#">16704458</a> , PubMed: <a href="#">22556244</a> , PubMed: <a href="#">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="#">28661582</a> ). May regulate or influence the type of melanin synthesized (PubMed: <a href="#">16704458</a> , PubMed: <a href="#">22556244</a> ). Also to a lower extent, capable of hydroxylating tyrosine and producing melanin (By similarity).
<b>Cellular Location</b>	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}
<b>Tissue Location</b>	Pigment cells.

## Images

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Western blot analysis of TRP1 expression in Human melanoma lysate.

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