SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TYRP1 antibody

Catalog Number: SL15510R

FOR RESEARCH USE ONLY

[DATASHEET]

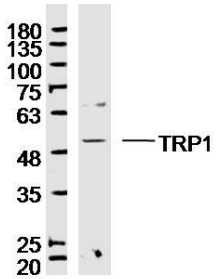
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TYRP1
Immunogen:	KLH conjugated synthetic peptide derived from human TYRP1: 101-200/537
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Cow, Horse)
Predicted MW.:	58kDa
Subcellular Location:	The cell membrane
Background:	TRP1 is a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III. **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. **Subcellular Location:** Melanosome membrane; Single-pass type I membrane protein (By similarity). Note=Located to mature stage III and IV melanosomes and apposed endosomal tubular membranes. Transported to pigmented melanosomes by the BLOC-1 complex (By similarity). **Tissue Specificity:** Pigment cells.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

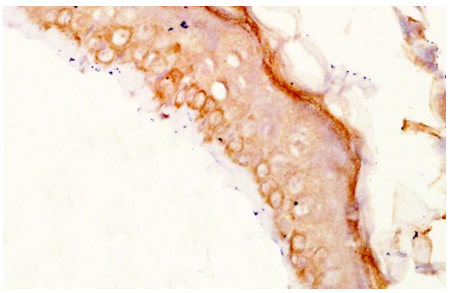
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	DISEASE: Albinism oculocutaneous 3 (OCA3) [MIM:203290]: An autosomal recessive disorder in which the biosynthesis of melanin pigment is reduced in skin, hair, and eyes. Tyrosinase activity is normal and patients have only moderate reduction of pigment. 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. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the tyrosinase family. **Database links:** **Entrez Gene:** 7306 Human **Entrez Gene:** 22178 Mouse Omim: 115501 Human **SwissProt:** P17643 Human **SwissProt:** P07147 Mouse **Unigene:** 270279 Human **Unigene:** 30438 Mouse

[VALIDATION IMAGES]



Sample: B16 (Mouse)cell Lysate at 40 ug
Primary: Anti-TRP1(SL15510R) 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 (SL15510R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

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