

**Tyrosinase Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51594****Specification**

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**Tyrosinase Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P14679</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>60.4 KDa</b>
Antigen Region	<b>461 - 520</b>

**Tyrosinase Antibody - Additional Information****Gene ID** 7299**Other Names**

Tyrosinase, LB24-AB, Monophenol monooxygenase, SK29-AB, Tumor rejection antigen AB, TYR

**Target/Specificity**

KLH conjugated synthetic peptide derived from human Tyrosinase

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Tyrosinase Antibody - Protein Information****Name** TYR ([HGNC:12442](#))**Function**

This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine (By similarity). In addition to hydroxylating tyrosine to DOPA (3,4- dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA-quinone, and possibly the oxidation of DHI (5,6-dihydroxyindole) to indole-5,6 quinone (PubMed:<a href="http://www.uniprot.org/citations/28661582" target="\_blank">28661582</a>).

**Cellular Location**

Melanosome membrane; Single-pass type I membrane protein. Melanosome {ECO:0000250|UniProtKB:P11344}. Note=Proper trafficking to melanosome is regulated by

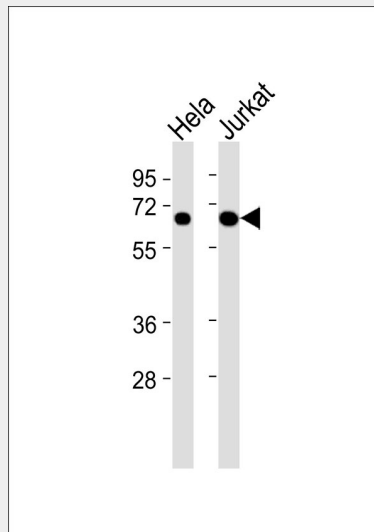
SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P11344}

## Tyrosinase 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](#)

## Tyrosinase Antibody - Images



All lanes : Anti-Tyrosinase Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 60 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## Tyrosinase Antibody - Background

This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone.

## Tyrosinase Antibody - References

- Giebel L.B., et al. Genomics 9:435-445(1991).  
Kwon B.S., et al. Proc. Natl. Acad. Sci. U.S.A. 84:7473-7477(1987).  
Kwon B.S., et al. Proc. Natl. Acad. Sci. U.S.A. 85:6352-6352(1988).  
Bouchard B., et al. J. Exp. Med. 169:2029-2042(1989).  
Chintamaneni C.D., et al. Proc. Natl. Acad. Sci. U.S.A. 88:5272-5276(1991).