

**Tyrosinase**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # APA147****Specification**

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**Tyrosinase - Product Information**

Application	IHC
Primary Accession	<a href="#">P14679</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	60393 Da

**Tyrosinase - Additional Information**

Gene ID	7299
Gene Name	TYR
<b>Other Names</b>	
Tyrosinase, 1.14.18.1, LB24-AB, Monophenol monooxygenase, SK29-AB, Tumor rejection antigen AB, TYR	
<b>Dilution</b>	
IHC~~1:100~500	
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Tyrosinase is for research use only and not for use in diagnostic or therapeutic procedures.

**Tyrosinase - 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 (By similarity). 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 (By similarity).
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 - 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 - Images**