

**Tyrosinase**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80147****Specification**

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**Tyrosinase - Product info**

Application	IHC-P, IHC
Primary Accession	<a href="#">P14679</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	60393

**Tyrosinase - Additional info**

Gene ID	7299
Gene Name	TYR

**Other Names**

Tyrosinase, 1.14.18.1, LB24-AB, Monophenol monooxygenase, SK29-AB, Tumor rejection antigen AB, TYR (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=12442" target="\_blank">HGNC:12442</a>)

**Dilution**

IHC-P~~Ready-to-use  
IHC~~Ready-to-use

**Storage**

Maintain refrigerated at 2-8°C

**Precautions**

**Tyrosinase Antibody 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. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine. 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.**

## 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**

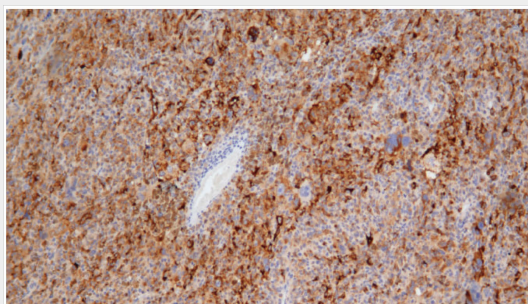
**{ECO:0000250|UniProtKB:P11344}**

## Tyrosinase - Protocols

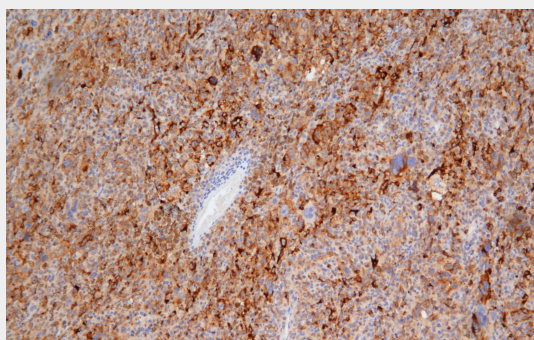
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Tyrosinase - Images



Malignant melanoma



Immunohistochemical analysis of paraffin-embedded tissue using AD80299 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems □ Abcepta:AR005 □ was used as the secondary antibody.