

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

Tyrosinase - Product info

Application	IHC-P, IHC
Primary Accession	P14679
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 ([HGNC:12442](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12442))

Dilution

IHC-P~~Ready-to-use

IHC~~Ready-to-use

Storage	This product is stored at 2-8 °C, please use it within the expiration date.
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. Melanosome membrane; Single-pass type I

Cellular Location

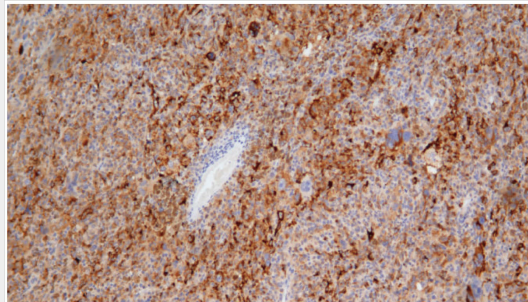
membrane protein. Melanosome
{ECO:0000250|UniProtKB:P11344}.
Note=Proper trafficking to melanosome is
regulated by SGSM2, ANKRD27, RAB9A,
RAB32 and RAB38
{ECO:0000250|UniProtKB:P11344}

Tyrosinase - Protocols

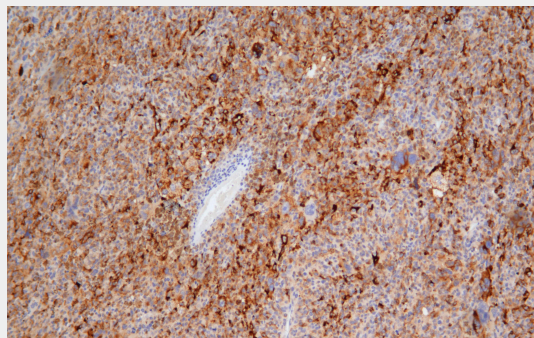
Provided below are standard protocols that you may find useful for product applications.

- [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.