

Tyrosinase
Mouse Monoclonal Antibody (Mab)
Catalog # APA147

Specification

Tyrosinase - Product Information

Application	IHC
Primary Accession	P14679
Host	Mouse
Clonality	Monoclonal
Calculated MW	60393 Da

Tyrosinase - Additional Information

Gene ID	7299
Gene Name	TYR
Other Names	
Tyrosinase, 1.14.18.1, LB24-AB, Monophenol monooxygenase, SK29-AB, Tumor rejection antigen AB, TYR	
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