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Tyrosinase

Mouse Monoclonal antibody(Mab)
Catalog # AD80147

Product Information

Application	IHC-P
Primary Accession	P14679
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	620F3C9
Calculated MW	60393

Additional Information

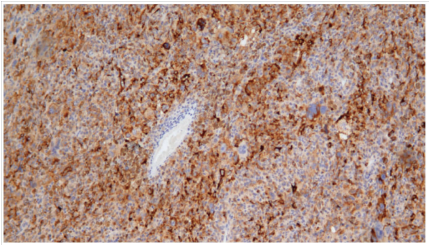
Gene ID	7299
Gene Name	TYR
Other Names	Tyrosinase, 1.14.18.1, LB24-AB, Monophenol monooxygenase, SK29-AB, Tumor rejection antigen AB, TYR (HGNC:12442)
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	Tyrosinase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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:28661582).
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}

Images

Immunohistochemical analysis of formalin-fixed and



paraffin-embedded human melanoma tissue was performed with Tyrosinase primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.