

Mouse anti-Human Tyrosinase Monoclonal Antibody | anti-TYR antibody

Tyrosinase (Melanoma Marker) Mouse Monoclonal Antibody [Clone TYR/3826]

CATALOG # AAA215970	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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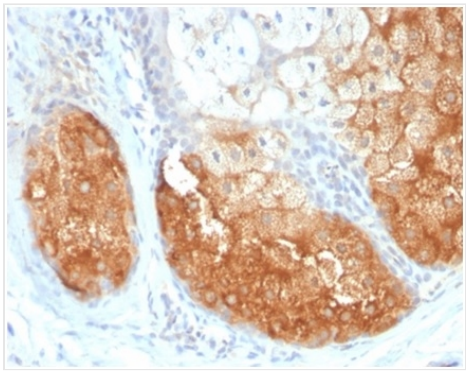
PRODUCT SYNONYMS

Tyrosinase; Monoclonal Antibody; Tyrosinase (Melanoma Marker) Mouse Monoclonal Antibody [Clone TYR/3826]; Tyrosinase (Melanoma Marker); ATN; CMM8; LB24-AB; Monophenol monooxygenase; OCA1; OCA1A; Oculocutaneous albinism IA; SHEP3; SK29-AB; Tumor rejection antigen AB; TYR; anti-TYR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	TYR/3826
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-TYR antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human Tyrosinase protein
Cellular Localization	Cytoplasm
Positive Control	SK-MEL-13, SK-MEL-19, SK-MEL-30 or SK-MEL-37 cells. Human melanoma.
Hu-chromosome Location	11q14.3
Unigene	503555
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human skin stained with Tyrosinase Mouse Monoclonal Antibody (TYR/3826) at 2ug/ml. HIER: Tris/EDTA, pH9. 0, 45min. 2 degree : HRP-polymer, 30min. DAB, 5min.

ADDITIONAL INFORMATION

Related Product Information for anti-TYR antibody	Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally a minor band at 55kDa is also detected. This MAb shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75. Tyrosinase is a copper-containing metalloglycoprotein that catalyzes several steps in the melanin pigment biosynthetic pathway; the hydroxylation of tyrosine to L-3,4-dihydroxy-phenylalanine (dopa), and the subsequent oxidation of dopa to dopaquinone. Mutations of the tyrosinase gene occur in various forms of albinism. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Staining of melanomas with this MAb shows tyrosinase in melanotic as well as amelanotic variants. This MAb is a useful marker for melanocytes and melanomas.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507753
NCBI GeneID	7299
NCBI Accession #	NP_000363.1
NCBI GenBank Nucleotide #	NM_000372.4
UniProt Accession #	P14679; Q15675; Q15676; Q15680; Q8TAK4; Q9BYY0; Q9BZX1
Molecular Weight	60,393 Da
NCBI Official Full Name	tyrosinase
NCBI Official Synonym Full Names	tyrosinase
NCBI Official Symbol	TYR
NCBI Official Synonym Symbols	CMM8; OCA1A; OCAIA; SHEP3
NCBI Protein Information	tyrosinase; LB24-AB; SK29-AB; monophenol monooxygenase; oculocutaneous albinism IA; tumor rejection antigen AB
UniProt Protein Name	Tyrosinase
UniProt Gene Name	TYR
UniProt Entry Name	TYRO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

