

Immunotag™ Tyrosinase Antibody

Antibody Specification	
Catalog No.	ITA1658
Product Description	Immunotag™ Tyrosinase Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Tyrosinase
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000,IHC 1:50-1:200,IF 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Tyrosinase
Specificity	Tyrosinase Antibody detects endogenous levels of total Tyrosinase
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TYR
Accession No.	P14679
Alternate Names	ATN; CMM8; LB24 AB; LB24-AB; Monophenol monooxygenase; OCA1; OCA1A; OCA1A; Oculocutaneous albinism IA; SHEP3; SK29 AB; SK29-AB; Tumor rejection antigen AB; TYR; TYRO_HUMAN; tyrosinase (oculocutaneous albinism IA); Tyrosinase;

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Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	70 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.