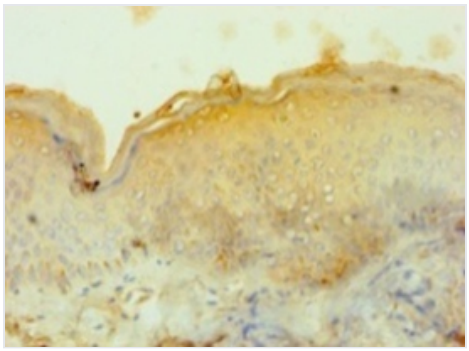
Tyrosinase (TYR) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Tyrosinase, Polyclonal Antibody
Full Product Name	Tyrosinase Polyclonal Antibody
Product Gene Name	anti-TYR antibody
Product Synonym Names	LB24-AB; Monophenol monooxygenase; SK29-AB; Tumor rejection antigen AB; TYR
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total Tyrosinase polyclonal antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	42,914 Da
OMIM	103470
3D Structure	ModBase 3D Structure for P14679
Immunogen	Recombinant Human Tyrosinase protein£¨19-377aa£©
Immunogen Type	Protein
Product Categories/Family for anti-TYR antibody	Total protein Ab
Applications Tested/Suitable for anti-TYR antibody	Immunohistochemistry (IHC)
Application Notes for anti-TYR antibody	Immunohistochemistry: 1:20 - 1:200
Related Product Information for anti-TYR antibody	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone.
Other Notes	Small volumes of anti-TYR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TYR purchase	MBS9415662 is an antibody targeting TYR. Also known as Tyrosinase Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-TYR antibody
Immunohistochemical analysis of paraffin-embedded human skin using at dilution of 1:100.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TYR. It may not necessarily be applicable to this product.

NCBI GI #	4507753
NCBI GeneID	7299
NCBI Accession #	NP_000363.1
UniProt Primary Accession #	P14679
UniProt Secondary Accession #	Q15675; Q15676; Q15680; Q8TAK4; Q9BYY0; Q9BZX1
UniProt Related Accession #	P14679
GenBank Nucleotide #	NM_000372.4
NCBI Official Full Name	tyrosinase
NCBI Official Synonym Full Names	tyrosinase
NCBI Official Symbol	TYR
NCBI Official Synonym Symbols	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
UniProt Protein Name	Tyrosinase
UniProt Synonym Protein Names	LB24-AB; Monophenol monooxygenase; SK29-AB; Tumor rejection antigen AB
Protein Family	Tyrosinase
UniProt Gene Name	TYR
UniProt Entry Name	TYRO_HUMAN
NCBI Protein Information	tyrosinase

UniProt Comments for TYR	TYR: This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone. Increased expression after UVB irradiation. Belongs to the tyrosinase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Amino Acid Metabolism - tyrosine; Cofactor and Vitamin Metabolism - riboflavin; EC 1.14.18.1; Membrane protein, integral; Oxidoreductase Chromosomal Location of Human Ortholog: 11q14.3 Cellular Component: cytoplasm; Golgi-associated vesicle; lysosome; melanosome; melanosome membrane; perinuclear region of cytoplasm Molecular Function: copper ion binding; monooxygenase activity; monophenol monooxygenase activity; protein binding; protein heterodimerization activity; protein homodimerization activity Biological Process: eye pigment biosynthetic process; melanin biosynthetic process; melanin biosynthetic process from tyrosine; visual perception Disease: Albinism, Ocular, With Sensorineural Deafness; Albinism, Oculocutaneous, Type Ia; Albinism, Oculocutaneous, Type Ib; Skin/hair/eye Pigmentation, Variation In, 3
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