

Product Name: Tyrosinase (8Z10) Rabbit Monoclonal Antibody
Catalog #: AMRe19469



Summary

Production Name	Tyrosinase (8Z10) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	TYR
Alternative Names	ATN; CMM8; LB24 AB; SHEP3; SK29 AB; Tumor rejection antigen AB; TYR;
Gene ID	7299.0
SwissProt ID	P14679.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	60kDa

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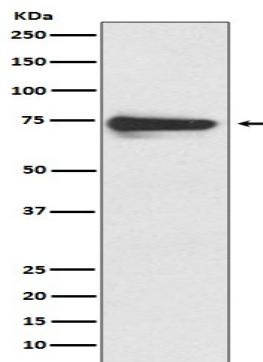


Background

Tyrosinase, found in the membrane of melanosomes, is a key enzyme in the biosynthesis of melanin pigments. It is a melanocyte differentiation antigen and is expressed in normal melanocytes and malignant melanomas. Tyrosinase is implicated to be an antigen target for melanoma vaccines. 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).

Research Area

Image Data



Western blot analysis of Tyrosinase expression in human melanoma lysate.

Note

For research use only.