Datasheet for ABIN6940829

Recombinant anti-TYR antibody

2 Images

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Overview

Quantity:	100 µg
Target:	TYR
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TYR antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length tyrosinase (TYR) protein
Clone:	TYR-2024R
Isotype:	IgG
Specificity:	Recognizes a cluster of proteins between 70-80 kDa, identified as tyrosinase. Occasionally a minor band at 55 kDa 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

Product Details

	variants. This MAb is a useful marker for melanocytes and melanomas.
Purification:	Purified by Protein A/G

Target Details

Target:	TYR
Alternative Name:	TYR (TYR Products)
Molecular Weight:	70-80kDa
Gene ID:	7299
UniProt:	P14679

Application Details

Application Notes:	Positive Control: SK-MEL-13, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells. Melanoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, or 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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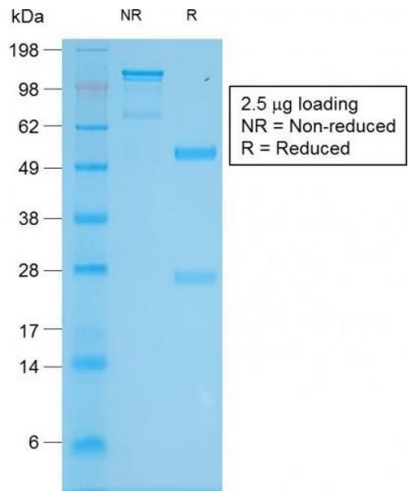
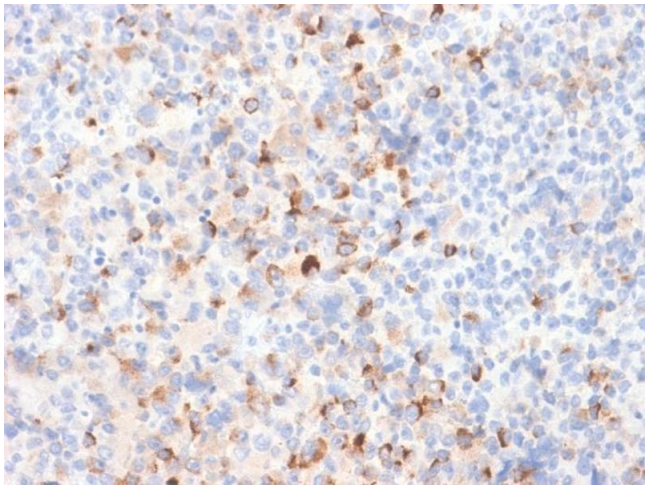


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Tyrosinase Rabbit Recombinant Monoclonal Antibody (TYR/2024R).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded Melanoma stained with Tyrosinase Rabbit Recombinant Monoclonal Antibody (TYR/2024R).

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