

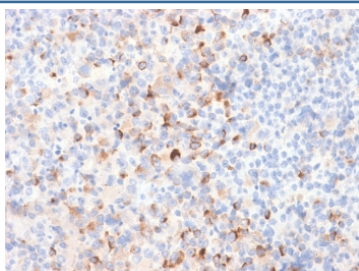
## Recombinant Tyrosinase Antibody [clone TYR/2024R] (V3657)

Catalog No.	Formulation	Size
V3657-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3657-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3657SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3657IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

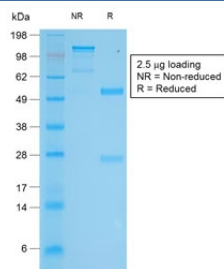
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	TYR/2024R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P14679
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant Tyrosinase antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human melanoma stained with recombinant Tyrosinase antibody (clone TYR/2024R). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9, or 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Tyrosinase antibody (clone TYR/2024R) as confirmation of integrity and purity.

## Description

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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant Tyrosinase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant protein was used as the immunogen for this recombinant Tyrosinase antibody.

## Storage

Store the recombinant Tyrosinase antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).