

## Recombinant Tyrosinase (Melanoma Marker) Antibody

Rabbit Monoclonal Antibody [Clone TYR/2024R]

Catalog No	Format	Size
7299-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7299-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7299-RBM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

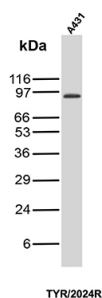
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

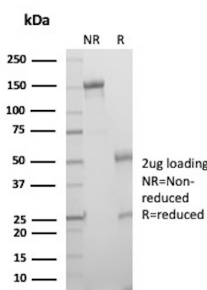
Clone	TYR/2024R
Gene Name	TYR
Immunogen	Recombinant human full-length tyrosinase (TYR) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	70-80kDa
Cellular Localization	Melanosome, Melanosome membrane
Species Reactivity	Human
Positive Control	SK-MEL-13, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells. Melanoma, A431

*\*Optimal dilution for a specific application should be determined.*

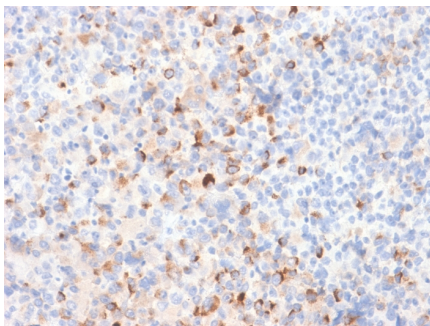
### Product Images for Recombinant Tyrosinase (Melanoma Marker) Antibody



Western blot analysis of A431 cell lysate using Tyrosinase Recombinant Rabbit Monoclonal Antibody (TYR/2024R).



SDS-PAGE Analysis of Purified Tyrosinase Recombinant Rabbit Monoclonal Antibody (TYR/2024R). Confirmation of Purity and Integrity of Antibody.



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

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### Specificity & Comments

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.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

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.

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### Research Areas

Cardiovascular

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