# Recombinant Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Antibody

Rabbit Monoclonal Antibody [Clone TYRP1/2340R]

| Catalog No | Format | Size |
|---|---|---|
| 7306-RBM8-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 7306-RBM8-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 7306-RBM8-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

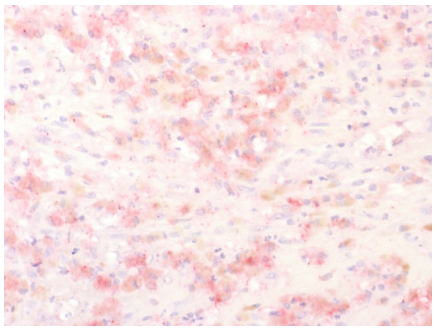
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) |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

## Product Details

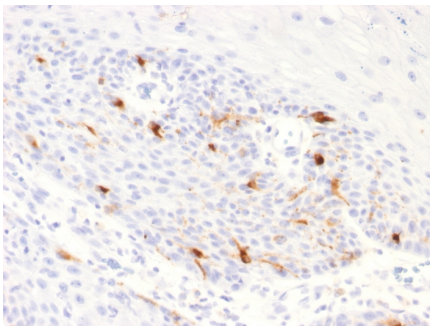
| | |
|---|---|
| **Clone** | TYRP1/2340R |
| **Immunogen** | Recombinant fragment (around aa257-377) of the human Tyrosinase Related Protein (TRP-1) protein (exact sequence is proprietary) |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | 60.72kDa |
| **Cellular Localization** | Melanosome membrane |
| **Species Reactivity** | Human |
| **Positive Control** | SK-MEL-19, SK-MEL-23, SK-MEL-30, SK-MEL-37 cells. Human Skin or Melanoma, B-16 |

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

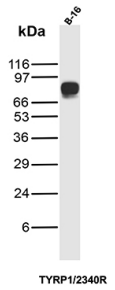
## Product Images for Recombinant Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Antibody



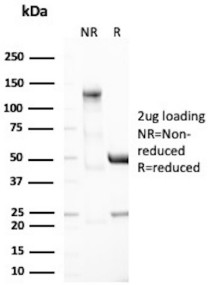
Formalin-fixed, paraffin-embedded human Melanoma stained with TYRP1 Recombinant Rabbit Monoclonal (TYRP1/2340R); AEC Chromogen.



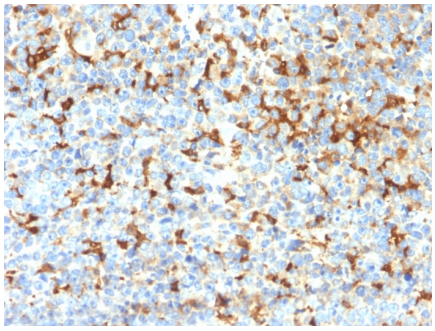
Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with TYRP1 Recombinant Rabbit Monoclonal Antibody (TYRP1/2340R).




Western Blot Analysis of B-16 cell lysate using Tyrosinase Related Protein Recombinant Rabbit Monoclonal Antibody (TYRP1/2340R).




SDS-PAGE Analysis of Purified 5,6-dihydroxyindole-2-carboxylic acid oxidase Recombinant Rabbit Monoclonal Antibody (TYRP1/2340R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Melanoma stained with TYRP1 Recombinant Rabbit Monoclonal (TYRP1/2340R); DAB Chromogen.

## Specificity & Comments

It reacts with a 75kDa melanocyte-specific gene product, identified as Tyrosinase-related protein-1 (TRP-1). It is involved in melanin synthesis. TRP1 is present on the melanosomal membranes of melanoma, normal melanocytes and nevi.Recent evidence suggests that TRP-1 is involved in maintaining stability of tyrosinase protein and modulating its catalytic activity. TRP-1 is also involved in maintenance of melanosome ultrastructure and affects melanocyte proliferation and cell death.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## 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.

## 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.