

Datasheet for ABIN6940830

**anti-Tyrosinase-Related Protein 1 antibody (AA 257-377)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µg
Target:	Tyrosinase-Related Protein 1 (TYRP1)
Binding Specificity:	AA 257-377
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Tyrosinase-Related Protein 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Staining Methods (StM), Coating (Coat)

## Product Details

Immunogen:	A recombinant fragment (around aa 257-377) of human TYRP1 protein (exact sequence is proprietary)
Clone:	TYRP1-3280
Isotype:	IgG2b kappa
Specificity:	It reacts with a 75 kDa 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.
Purification:	Purified by Protein A/G

## Target Details

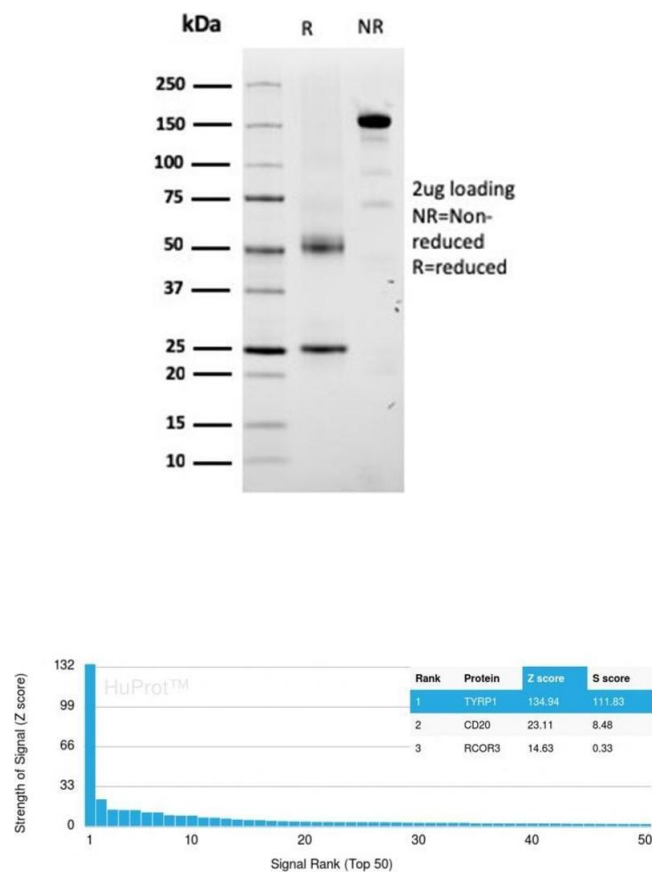
Target:	Tyrosinase-Related Protein 1 (TYRP1)
Alternative Name:	TYRP1 ( <a href="#">TYRP1 Products</a> )
Molecular Weight:	75kDa
Gene ID:	7306
UniProt:	<a href="#">P17643</a>

## Application Details

Application Notes:	<p>Positive Control: SK-MEL-23, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells. Human skin or melanoma tissues (IHC).</p> <p>Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 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.</p>
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

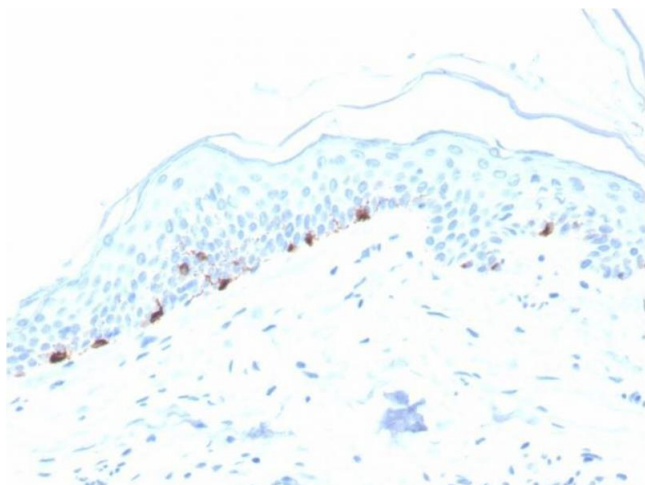


SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified TYRP1-Monospecific Mouse Monoclonal Antibody (TYRP1/3280). Confirmation of Purity and Integrity of Antibody.

Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using TYRP1-Monospecific Mouse Monoclonal Antibody (TYRP1/3280) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Skin stained with TYRP1-Monospecific Mouse Monoclonal Antibody (TYRP1/3280).