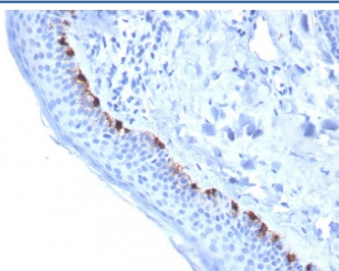


## TRP1 / Tyrosinase-Related Protein-1 Antibody / TYRP1 [clone TYRP1/3284] (V8149)

Catalog No.	Formulation	Size
V8149-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8149-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8149SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	TYRP1/3284
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P17643
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	ELISA (order BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This TRP1 antibody is available for research use only.

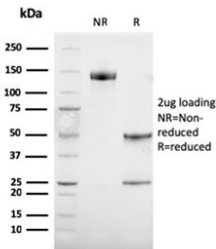


IHC staining of FFPE human skin with TRP1 antibody (clone TYRP1/3284). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

#### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using TRP1 antibody (clone TYRP1/3284). These results demonstrate the foremost specificity of the TYRP1/3284 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free TRP1 antibody (clone TYRP1/3284) as confirmation of integrity and purity.

## Description

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.

## Application Notes

Optimal dilution of the TRP1 antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein (amino acids 257-377) was used as the immunogen for this TRP1 antibody.

## Storage

Store the TRP1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).