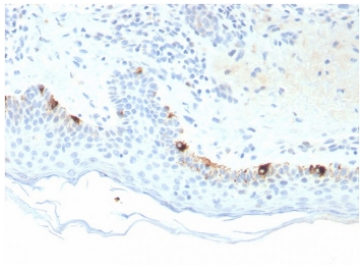
Tyrosinase-Related Protein-1 Antibody / TRP1 / TYRP1 [clone TYRP1/3281] (V8146)

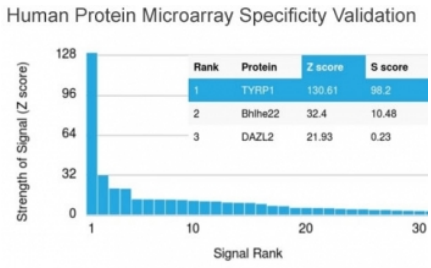
Catalog No.	Formulation	Size
V8146-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8146-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8146SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

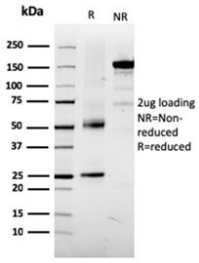
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	TYRP1/3281
Purity	Protein G affinity chromatography
UniProt	P17643
Localization	Cytoplasmic
Applications	ELISA (order BSA-free format for coating) Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Tyrosinase-Related Protein-1 antibody is available for research use only.



IHC staining of FFPE human skin with Tyrosinase-Related Protein-1 antibody (clone TYRP1/3281). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Tyrosinase-Related Protein-1 antibody (clone TYRP1/3281). These results demonstrate the foremost specificity of the TYRP1/3281 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 Tyrosinase-Related Protein-1 antibody (clone TYRP1/3281) 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 Tyrosinase-Related Protein-1 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 Tyrosinase-Related Protein-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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