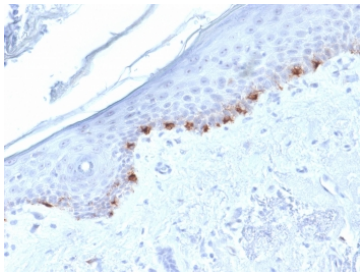
TYRP1 Antibody / Tyrosinase-Related Protein-1 / TRP1 [clone TYRP1/1986] (V3519)

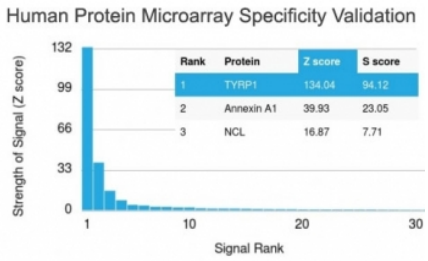
Catalog No.	Formulation	Size
V3519-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3519-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3519SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3519IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

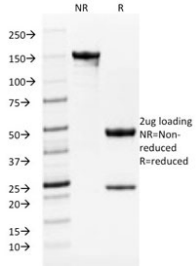
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	TYRP1/1986
Purity	Protein G affinity chromatography
UniProt	P17643
Localization	Cytoplasmic
Applications	ELISA: 2-4ug/ml (order BSA/azide-free format) Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This TYRP1 antibody is available for research use only.



IHC testing of FFPE human skin with TYRP1 antibody (clone TYRP1/1986). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using TYRP1 antibody (clone TYRP1/1986). These results demonstrate the foremost specificity of the TYRP1/1986 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 TYRP1 antibody (clone TYRP1/1986) as confirmation of integrity and purity.

Description

Tyrosinase-Related Protein-1/TYRP1/TRP1 is a melanocyte-specific gene product involved in melanin synthesis. While mouse Tyrp1 possesses dihydroxyindole carboxylic acid oxidase activity, the function in human melanocytes is less clear. In addition to its role in melanin synthesis, Tyrp1 is involved in stabilizing of tyrosinase protein and modulating its catalytic activity. Tyrp1 is also involved in maintenance of melanosome structure and affects melanocyte proliferation and melanocyte cell death. [Wiki]

Application Notes

Titering of the TYRP1 antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A recombinant human partial protein corresponding to amino acids 257-377 was used as the immunogen for the TYRP1 antibody.

Storage

Store the TYRP1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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