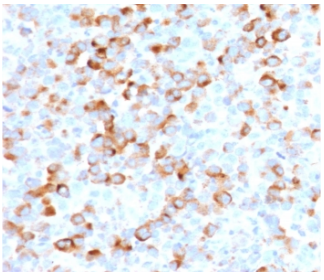
Recombinant Tyrosinase Antibody / Rabbit Monoclonal [clone TRSN1-2R] (V3759)

Catalog No.	Formulation	Size
V3759-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3759-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3759SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3759IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human. Other species not known.
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TRSN1-2R
Purity	Protein A affinity chromatography
UniProt	P14679
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This recombinant Tyrosinase antibody is available for research use only.



IHC staining of FFPE human melanoma with recombinant Tyrosinase antibody (clone TRSN1-2R). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9, or 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.

Description

Tyrosinase is an oxidase that is the rate-limiting enzyme for controlling the production of melanin. It is mainly involved in two distinct reactions of melanin synthesis; firstly, the hydroxylation of a monophenol and secondly, the conversion of an o-diphenol to the corresponding o-quinone. o-Quinone undergoes several reactions to eventually form melanin. Tyrosinase is a copper-containing enzyme present in plant and animal tissues that catalyzes the production of melanin and other pigments from tyrosine by oxidation, as in the blackening of a peeled or sliced potato exposed to air. It is found inside melanosomes which are synthesised in the skin melanocytes. In humans, the tyrosinase enzyme is encoded by the TYR gene. [Wiki]

For a broader overview of TYR biology, melanin biosynthesis, and melanocyte function, see our Tyrosinase Antibody / Melanin Biosynthesis Enzyme Antibody page.

Application Notes

Optimal dilution of the recombinant Tyrosinase antibody should be determined by the researcher.

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

Recombinant protein was used as the immunogen for this recombinant Tyrosinase antibody.

Storage

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

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