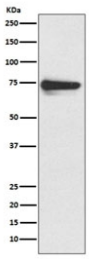
Tyrosinase Antibody / TYR [clone AAHE-20] (RQ5433)

Catalog No.	Formulation	Size
RQ5433	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AAHE-20
Purity	Affinity purified
UniProt	P14679
Applications	Western blot: 1:500-1:2000
Limitations	This Tyrosinase antibody is available for research use only.



Western blot testing of human melanoma lysate with Tyrosinase antibody. Predicted molecular weight: 60-84 kDa depending on level of glycosylation.

Description

The enzyme encoded by the TYR gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. [RefSeq]

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 Tyrosinase antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Tyrosinase / TYR was used as the immunogen for the Tyrosinase antibody.

Storage

Store the Tyrosinase antibody at -20oC.

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