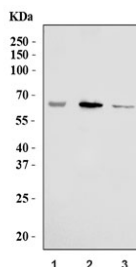


TYR Antibody / Tyrosinase (RQ6814)

Catalog No.	Formulation	Size
RQ6814	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P14679
Applications	Western Blot : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This TYR antibody is available for research use only.



Western blot testing of human 1) A375, 2) A431 and 3) HaCaT cell lysate with TYR antibody. Predicted molecular weight: 60-84 kDa depending on level of glycosylation.

Description

The enzyme encoded by this 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. The human genome contains a pseudogene similar to the 3' half of this gene.

Application Notes

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

Immunogen

Recombinant human protein (amino acids E130-K529) was used as the immunogen for the TYR antibody.

Storage

After reconstitution, the TYR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.