

For Research Use Only

Tyrosinase Recombinant antibody

Catalog Number: 84723-3-RR



Basic Information

Catalog Number:

84723-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34940

GenBank Accession Number:

BC027179

GeneID (NCBI):

7299

UNIPROT ID:

P14679

Full Name:

tyrosinase (oculocutaneous albinism IA)

Calculated MW:

529 aa, 60 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

242174D2

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, A375 cells, L02 cells

Background Information

Tyrosinase is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. It's a melanocyte-specific enzyme critical for the synthesis of melanin, a process normally restricted to a post-Golgi compartment termed the melanosome. Loss-of-function mutations in tyrosinase are the cause of oculocutaneous albinism. The 60-kDa tyrosinase core polypeptide is modified in the endoplasmic reticulum (ER) by cotranslational addition of multiple N-linked glycans, producing the 70-kDa species. Complex sugar modifications in the Golgi apparatus further increases tyrosinase's molecular mass to 80 kDa, the size of the mature wild-type (WT) isoform. (PMID:10823941)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

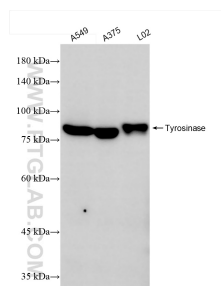
T: 4006900926

E: Proteintech-CN@ptglab.com

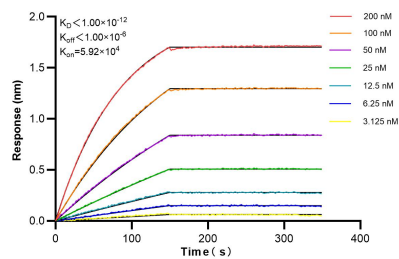
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84723-3-RR (Tyrosinase antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84723-3-RR against Human Tyrosinase were performed. The affinity constant is below 1 pM.