

For Research Use Only

Tyrosinase Recombinant antibody

Catalog Number: 84723-3-RR



Basic Information

Catalog Number: 84723-3-RR	GenBank Accession Number: BC027179	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7299	CloneNo.: 242174D2
Source: Rabbit	UNIPROT ID: P14679	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: tyrosinase (oculocutaneous albinism IA)	
Immunogen Catalog Number: AG34940	Calculated MW: 529 aa, 60 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, A375 cells, L02 cells
Species Specificity: human	

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

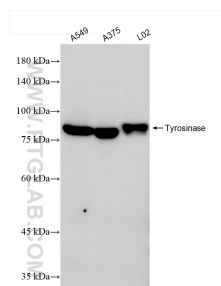
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

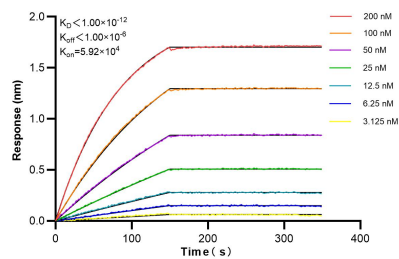
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.