

ARG41394 anti-TRP1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TRP1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRP1
Species	Human
Immunogen	Synthetic peptide derived from Human TRP1.
Conjugation	Un-conjugated
Alternate Names	CATB; TYRP; b-PROTEIN; EC 1.14.18.-; CAS2; DHICA oxidase; Melanoma antigen gp75; 5,6-dihydroxyindole-2-carboxylic acid oxidase; Catalase B; OCA3; TRP; GP75; TRP1; Glycoprotein 75; TRP-1; Tyrosinase-related protein 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 75 kDa	

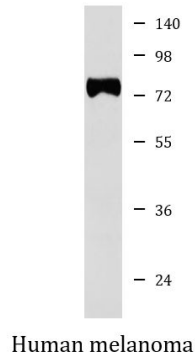
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TYRP1
Gene Full Name	tyrosinase-related protein 1
Background	This gene encodes a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III. [provided by RefSeq, Mar 2009]
Function	Oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized. [UniProt]
Calculated Mw	61 kDa
PTM	Glycosylated. [UniProt]
Cellular Localization	Melanosome membrane; Single-pass type I membrane protein. Melanosome. Note=Located to mature stage III and IV melanosomes and apposed endosomal tubular membranes. Transported to pigmented melanosomes by the BLOC-1 complex. Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38. [UniProt]

Images



ARG41394 anti-TRP1 antibody WB image

Western blot: Human melanoma lysate stained with ARG41394 anti-TRP1 antibody.