



TRP1 mouse mAb

Catalog No	YP-mAb-18080
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TYRP1 CAS2 TYRP TYRRP
Immunogen	Synthesized peptide derived from human TRP1
Specificity	This antibody detects endogenous levels of TRP1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TRP1;TRY1;TRY4;TRYP1;TYRP1;TYRP1 CAS2 TYRP TYRRP;5,6-dihydroxyindole-2-carboxylic acid oxidase (DHICA oxidase) (EC 1.14.18.-) (Catalase B) (Glycoprotein 75) (Melanoma antigen gp75) (Tyrosinase-related protein 1) (TRP) (TRP-1) (TRP1)
Observed Band	27 kDa
Calculated Molecular Weight	27 kDa
Cell Pathway	Melanosome membrane ; Single-pass type I membrane protein . Melanosome . 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. .
Tissue Specificity	Pigment cells.
Function	Plays a role in melanin biosynthesis . Catalyzes the oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid in the presence of bound Cu(2+) ions, but not in the presence of Zn(2+) . May regulate or influence the type of melanin synthesized . Also to a lower extent, caMABLE of hydroxylating tyrosine and producing melanin (By similarity).



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images