

Datasheet for ABIN6191368

Recombinant anti-Tyrosinase-Related Protein 1 antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	Tyrosinase-Related Protein 1 (TYRP1)
Reactivity:	Human, Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Tyrosinase-Related Protein 1 antibody is conjugated to CF®647
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	Recombinant Rabbit Monoclonal anti-Tyrosinase Related Protein-1 (TYRP1/1564R), CF647 Conjugate
Immunogen:	Recombinant human full-length TYRP1 protein
Clone:	TYRP1-1564R
Isotype:	IgG kappa
Characteristics:	This antibody reacts with a 75 kDa melanocyte-specific gene product, identified as Tyrosinase-related protein-1 (TRP-1). It is involved in melanin synthesis. TRP1 is present on the melanosomal membranes of melanoma, normal melanocytes and nevi. Recent evidence suggests that TRP-1 is involved in maintaining stability of tyrosinase protein and modulating its catalytic activity. TRP-1 is also involved in maintenance of melanosome ultrastructure and affects melanocyte proliferation and cell death. Primary antibodies are available purified, or with

Product Details

a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	Tyrosinase-Related Protein 1 (TYRP1)
Alternative Name:	Tyrosinase Related Protein-1 (TYRP1 Products)
Molecular Weight:	75 kDa
Gene ID:	7306, 270279
UniProt:	P17643

Application Details

Application Notes:	Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris, 1 mM EDTA pH 9.0 for 10-20 min followed by cooling at RT for 20 min • Immunohistology (formalin) 5-10 µg/mL • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Immunofluorescence 1-2 µg/mL • Optimal dilution for a specific application should be determined by user
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Comment:	SK-MEL-23, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells or Melanoma.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light