

Datasheet for ABIN7661485

Recombinant anti-Tyrosinase-Related Protein 1 antibody (AA 257-377) (CF®405S)



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Overview

Quantity:	100 µL
Target:	Tyrosinase-Related Protein 1 (TYRP1)
Binding Specificity:	AA 257-377
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Tyrosinase-Related Protein 1 antibody is conjugated to CF®405S
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) (TYRP1/2340R), CF405S conjugate
Immunogen:	Recombinant fragment of human TYRP1 protein (around aa 257-377)
Clone:	TYRP1-2340R
Isotype:	IgG
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

Product Details

affects melanocyte proliferation and cell death. Primary antibodies are available purified, or with 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
Background:	Synonyms: 5, 6 dihydroxyindole 2 carboxylic acid oxidase, 6-dihydroxyindole-2-carboxylic acid oxidase, Associated with iris pigmentation, CAS2, Catalase B (CATB), DHICA oxidase, Glycoprotein75 (GP75), Melanoma antigen gp75, Tyrosinase-related protein 1 (TYRP1), TYRRP Gene Symbol: TYRP1 Tissue Expression: Melanocytes
Molecular Weight:	75 kDa
Gene ID:	7306
UniProt:	P17643

Application Details

Application Notes:	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. ELISA: 2-4 µg/m for coating order Ab without BSA. Immunohistology (formalin): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user
Comment:	Positive Control: SK-MEL-23, SK-MEL-19, SK-MEL-30 cells. Human Skin or Melanoma.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL

Handling

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
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months