

Datasheet for ABIN6938713

Recombinant anti-Tyrosinase-Related Protein 1 antibody (AA 257-377)[Go to Product page](#)

Overview

Quantity:	100 µg
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 un-conjugated
Application:	ELISA, Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Coating (Coat)

Product Details

Immunogen:	A recombinant fragment (around aa 257-377) of human TYRP1 protein (exact sequence is proprietary)
Clone:	TYRP1-2340R
Isotype:	IgG
Specificity:	It 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.

Product Details

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: Tyrosinase-Related Protein 1 (TYRP1)

Alternative Name: TYRP1 ([TYRP1 Products](#))

Background: 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, Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker)
Cellular localisation: Cytoplasmic

Molecular Weight: 75kDa

Gene ID: 7306, 270279

UniProt: [P17643](#)

Application Details

Application Notes: Known_Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: SK-MEL-23, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells. Human Skin or Melanoma.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date: 24 months