

Datasheet for ABIN7661498

## **anti-Tyrosinase-Related Protein 1 antibody (AA 257-377) (CF®640R)**



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | Tyrosinase-Related Protein 1 (TYRP1)                                                                    |
| Binding Specificity: | AA 257-377                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Mouse                                                                                                   |
| Clonality:           | Monoclonal                                                                                              |
| Conjugate:           | This Tyrosinase-Related Protein 1 antibody is conjugated to CF®640R                                     |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker)(TYRP1/3284), CF640R conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen:       | A recombinant fragment (around aa 257-377) of human TYRP1 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clone:           | TYRP1-3284                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype:         | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Characteristics: | <p>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 a selection of</p> |

## Product Details

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<br>Gene Symbol: TYRP1<br>Tissue Expression: Melanocytes |
| Molecular Weight: | 75 kDa                                                                                                                                                                                                                                                                                 |
| Gene ID:          | 7306                                                                                                                                                                                                                                                                                   |
| UniProt:          | <a href="#">P17643</a>                                                                                                                                                                                                                                                                 |

## Application Details

|                    |                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator.                          |
| Comment:           | 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

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.1 mg/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

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