

Datasheet for ABIN6191384

**Recombinant anti-Tyrosinase-Related Protein 1 antibody  
(CF®594)**[Go to Product page](#)

## 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®594         |
| Application:   | Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Recombinant Rabbit Monoclonal anti-Tyrosinase Related Protein-1 (TYRP1/1564R), CF594 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 ( <a href="#">TYRP1 Products</a> ) |
| Molecular Weight: | 75 kDa                                                          |
| Gene ID:          | 7306, 270279                                                    |
| UniProt:          | <a href="#">P17643</a>                                          |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| 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 <ul style="list-style-type: none"><li>• Immunohistology (formalin) 5-10 µg/mL</li><li>• Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>• Immunofluorescence 1-2 µg/mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul> |
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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 |
|---------------|-----------------------|

## 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                                                                                                     |