

Datasheet for ABIN7072221

## Recombinant anti-Tyrosinase-Related Protein 1 antibody



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### Overview

|                |                                                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:      | 200 µg                                                                                                                                                     |
| Target:        | Tyrosinase-Related Protein 1 (TYRP1)                                                                                                                       |
| Reactivity:    | Human                                                                                                                                                      |
| Host:          | Rabbit                                                                                                                                                     |
| Antibody Type: | Recombinant Antibody                                                                                                                                       |
| Clonality:     | Chimeric                                                                                                                                                   |
| Conjugate:     | This Tyrosinase-Related Protein 1 antibody is un-conjugated                                                                                                |
| Application:   | Immunofluorescence (IF), Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Anti-TRP-1, gp75 [TA99], Rabbit IgG, kappa                                                                                                                                                                                                                                                                                                                                  |
| Immunogen:       | 70-75 kDa pigmentation-associated glycoprotein in human melanoma cell lines.                                                                                                                                                                                                                                                                                                |
| Clone:           | TA99                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype:         | IgG kappa                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity:     | Binds Tyrosinase-related protein-1 (TRP-1), a 70-75k enzyme located in melanocytes, which are specialized cells that produce a pigment called melanin, helping to stabilize tyrosinase, which is the enzyme responsible for the first step in melanin production and determine the shape of melanosomes, which are the structures in melanocytes where melanin is produced. |
| Characteristics: | Original Species of Ab: Mouse<br>Original Format of Ab: IgG2a                                                                                                                                                                                                                                                                                                               |

## Product Details

Purification: Protein A affinity purified

## Target Details

Target: Tyrosinase-Related Protein 1 (TYRP1)

Alternative Name: TRP-1, gp75 ([TYRP1 Products](#))

Background: Melanoma antigen gp75, 5,6-dihydroxyindole-2-carboxylic acid oxidase, DHICA oxidase, Catalase B, Glycoprotein 75, Tyrosinase-related protein 1, TRP, TRP-1, TRP1

UniProt: [P17643](#)

## Application Details

Application Notes: This antibody binds to human and murine TRP-1 and had been under evaluation for the treatment of tumours.

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.