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## 36-3338: Anti-Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker) Polyclonal Antibody

**Clonality:** Polyclonal

**Application:** IHC

**Reactivity:** Human, Mouse

 Gene :
 TYRP1

 Gene ID :
 7306

 Uniprot ID :
 P17643

5, 6 dihydroxyindole 2 carboxylic acid oxidase, 6-dihydroxyindole-2-carboxylic acid oxidase,

Alternative Name: Associated with iris pigmentation, CAS2, Catalase B (CATB), DHICA oxidase, Glycoprotein75

(GP75), Melanoma antigen gp75, Tyrosinase-related protein 1 (TYRP1), TYRRP

**Isotype:** Rabbit IgG

Immunogen Information: Recombinant human TYRP1 protein

## **Description**

It reacts with a 75kDa 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 sµggests 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 Info**

**Amount :**  $20 \mu g / 100 \mu g$ 

Content: 200 μg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (5-10ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

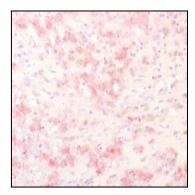


Fig. 1: Formalin-fixed, paraffin-embedded human Melanoma stained with TYRP1 Rabbit Polyclonal Antibody using AEC Chromogen (red).



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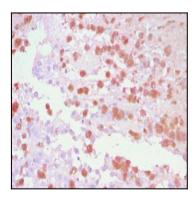


Fig. 2: Formalin-fixed, paraffin-embedded human Melanoma stained with TYRP1 Rabbit Polyclonal Antibody using AEC Chromogen (red).