

Rabbit anti-Human, Mouse Tyrosinase-Related Protein-1 (TYRP-1) Polyclonal Antibody | anti-TYRP-1 antibody

Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215246	Rabbit	Human, Mouse	Immunohistochemistry

PRODUCT SYNONYMS

Tyrosinase-Related Protein-1 (TYRP-1); Polyclonal Antibody; Tyrosinase-Related Protein-1 (TYRP-1) (Melanoma Marker); 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; anti-TYRP-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	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 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/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.
Sequence Length	537
Applicable Applications for anti-TYRP-1 antibody	IHC (Immunohistochemistry)
Positive Control	SK-MEL-23, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells. Melanoma.
Immunogen	Recombinant human TYRP1 protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	9p23
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



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



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

ADDITIONAL INFORMATION

References	Orlow, S.J., et al. 1994. J. Invest. Dermatol. 103: 196-201.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507757
NCBI GeneID	7306
NCBI Accession #	NP_000541.1
NCBI GenBank Nucleotide #	NP_000541.1
UniProt Accession #	P17643
Molecular Weight	75kDa
NCBI Official Full Name	5,6-dihydroxyindole-2-carboxylic acid oxidase
NCBI Official Synonym Full Names	tyrosinase related protein 1
NCBI Official Symbol	TYRP1
NCBI Official Synonym Symbols	TRP; CAS2; CATB; GP75; OCA3; TRP1; TYRP; b-PROTEIN
NCBI Protein Information	5,6-dihydroxyindole-2-carboxylic acid oxidase
UniProt Protein Name	5,6-dihydroxyindole-2-carboxylic acid oxidase
UniProt Gene Name	TYRP1
UniProt Synonym Gene Names	CAS2; TYRP; TYRRP; DHICA oxidase; TRP; TRP-1; TRP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.