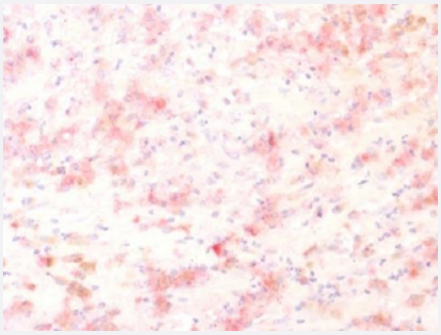
RecomAb™

TYRP1 recombinant monoclonal antibody, clone TYRP1/1564R

Catalog # RAB00289 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with TYRP1 recombinant monoclonal antibody, clone TYRP1/1564R (Cat # RAB00289).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TYRP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human TYRP1.
Reactivity	Human
Specificity	Reacts with a 75kDa melanocyte-specific gene product which identified as TYRP1.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide)

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Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with TYRP1 recombinant monoclonal antibody, clone TYRP1/1564R (Cat # RAB00289).

- Immunofluorescence

- Flow Cytometry

Gene Info — TYRP1

Entrez GeneID	7306
Protein Accession#	P17643
Gene Name	TYRP1
Gene Alias	CAS2, CATB, GP75, TRP, TYRP, b-PROTEIN
Gene Description	tyrosinase-related protein 1
Omim ID	115501 203290 278400
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a melanosomal enzyme that belongs to the tyrosinase family and plays an imp ortant role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculoc utaneous albinism and oculocutaneous albinism type III. [provided by RefSeq
Other Designations	associated with iris pigmentation

Publication Reference

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- High-molecular-weight forms of tyrosinase and the tyrosinase-related proteins: evidence for a melanogenic complex.

  Orlow SJ, Zhou BK, Chakraborty AK, Drucker M, Pifko-Hirst S, Pawelek JM.

  The Journal of Investigative Dermatology 1994 Aug; 103(2):196.

  Application: IP, WB-Ce, WB-Re, Mouse, Melan-a cells, Purified protein

Pathway

- Melanogenesis
- Metabolic pathways
- Tyrosine metabolism

Disease

- Albinism
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hermanski-Pudlak Syndrome
- Malignant melanoma
- Melanoma
- Neoplasm Metastasis
- Skin Neoplasms

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