

TYRP1 monoclonal antibody, clone SPM456

Catalog # MAB15220 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native human TYRP1.
Immunogen	SK-MEL-23 cells.
Host	Mouse
Theoretical MW (kDa)	75
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Frozen sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- 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 important role in the melanin biosynthetic pathway. Defects in this gene are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III. [provided by RefSeq]

Other Designations associated with iris pigmentation

Publication Reference

- [Glycoprotein nonmetastatic melanoma protein b, a melanocytic cell marker, is a melanosome-specific and proteolytically released protein.](#)

Hoashi T, Sato S, Yamaguchi Y, Passeron T, Tamaki K, Hearing VJ.

FASEB Journal 2010 May; 24(5):1616.

Application: IF, Human, MNT-1 cells

- [Antigenic profiling of glioma cells to generate allogeneic vaccines or dendritic cell-based therapeutics.](#)

Zhang JG, Eguchi J, Kruse CA, Gomez GG, Fakhrai H, Schroter S, Ma W, Hoa N, Minev B, Delgado C, Wepsic HT, Okada H, Jadus MR.

Clinical Cancer Research 2007 Jan; 13(2 Pt 1):566.

Application: Flow Cyt, Human, U-251 cells

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](#)