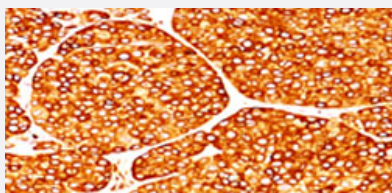


TYR monoclonal antibody, clone SPM360

Catalog # MAB12061 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma tissue with TYR monoclonal antibody, clone SPM360 (Cat# MAB12061).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant TYR.
Immunogen	Recombinant protein corresponding to human tyrosinase.
Host	Mouse
Theoretical MW (kDa)	70-80
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Immunohistochemistry (0.5-1 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma tissue with TYR monoclonal antibody, clone SPM360 (Cat# MAB12061).

Gene Info — TYR

Entrez GeneID[7299](#)**Gene Name**

TYR

Gene Alias

OCA1A, OCAIA, SHEP3

Gene Description

tyrosinase (oculocutaneous albinism IA)

Omim ID[103470](#) [203100](#) [606933](#) [606952](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq]

Other Designations

tyrosinase

Pathway

- [Betalain biosynthesis](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Isoquinoline alkaloid biosynthesis](#)

- [Melanogenesis](#)
- [Metabolic pathways](#)
- [Riboflavin metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Adenocarcinoma](#)
- [Albinism](#)
- [Autistic Disorder](#)
- [Autoimmune Diseases](#)
- [Bone Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hermanski-Pudlak Syndrome](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Urinary Bladder Neoplasms](#)

- [Vitiligo](#)
- [Werner syndrome](#)