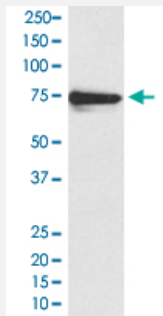


TYR monoclonal antibody, clone AAHE-20

Catalog # MAB20823 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human melanoma lysate with TYR monoclonal antibody, clone AAHE-20 (Cat # MAB20823).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human TYR.

Immunogen A synthetic peptide corresponding to human TYR.

Host Rabbit

Theoretical MW (kDa) 60.393

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Western Blot (1:500-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 (Tissue lysate)

Western Blot analysis of human melanoma lysate with TYR monoclonal antibody, clone AAHE-20 (Cat # MAB20823).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

Gene Info — TYR

Entrez GeneID[7299](#)**Protein Accession#**[P14679](#)**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

- [Betain 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](#)