

# TYR rabbit monoclonal antibody

Catalog # H00007299-K      Size 100 ug x up to 3

## Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human TYR peptide using ARM Technology.                                                                                                                                                                                          |
| <b>Immunogen</b>               | A synthetic peptide of human TYR is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                       |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody reactive against human TYR peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                       |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — TYR

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">7299</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GeneBank Accession# | <a href="#">TYR</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name           | TYR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Alias          | OCA1A, OCAIA, SHEP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Description    | tyrosinase (oculocutaneous albinism IA)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Omim ID             | <a href="#">103470</a> <a href="#">203100</a> <a href="#">606933</a> <a href="#">606952</a>                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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](#)