# Rabbit TYR Polyclonal Antibody | anti-TYR antibody

TYR Polyclonal Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA10704** | **Rabbit** | **Human, Mouse, Rat** | **Western Blot, Immunohistochemistry, Immunofluorescence** |

## PRODUCT SYNONYMS

TYR; Polyclonal Antibody; TYR Polyclonal Antibody; ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3; tyrosinase; anti-TYR antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity/Purification** | Affinity Purification |
| **Form/Format** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3 |
| **Applicable Applications for anti-TYR antibody** | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence) |
| **Application Notes** | Recommended Dilutions:<br>WB: 1:500 - 1:2000<br>IHC: 1:50 - 1:200<br>IF: 1:50 - 1:200 |
| **Immunogen** | Recombinant fusion protein containing a sequence corresponding to amino acids 20-340 of human TYR (NP_000363.1). |
| **Catagory** | Primary antibody |
| **Preparation and Storage** | Store at -20°C. Avoid freeze / thaw cycles |

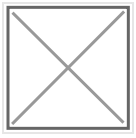
## IMAGES

**WB (Western Blot)**
Western blot analysis of extracts of various cell lines, using TYR antibody (AAA10704) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.

**IHC (Immunohistochemistry)**
Immunohistochemistry of paraffin-embedded rat heart using TYR antibody (AAA10704) at dilution of 1:100 (40x lens).

**IF (Immunofluorescence)**
Immunofluorescence analysis of rat skin using TYR antibody (AAA10704) at dilution of 1:100. Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**
Immunofluorescence analysis of mouse skin using TYR antibody (AAA10704) at dilution of 1:100. Blue: DAPI for nuclear staining.



**IF (Immunofluorescence)**
Immunofluorescence analysis ofhuman skin cancer using TYR antibody (AAA10704) at dilution of 1:100. Blue: DAPI for nuclear staining.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-TYR antibody** | **Background**: 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. |
| **Product Categories/Family for anti-TYR antibody** | Polyclonal |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 401235 |
| **NCBI GeneID** | 7299 |
| **UniProt Accession #** | P14679; Q15675; Q15676; Q15680; Q8TAK4; Q9BYY0; Q9BZX1 |
| **Molecular Weight** | Calculated MW: 42kDa/60kDa<br>Observed MW: 80kDa |
| **NCBI Official Full Name** | Tyrosinase |
| **NCBI Official Synonym Full Names** | tyrosinase |
| **NCBI Official Symbol** | TYR |
| **NCBI Official Synonym Symbols** | ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3 |
| **NCBI Protein Information** | tyrosinase; LB24-AB; SK29-AB; monophenol monooxygenase; oculocutaneous albinism IA; tumor rejection antigen AB |
| **UniProt Protein Name** | Tyrosinase |
| **UniProt Gene Name** | **TYR** |
| **UniProt Entry Name** | TYRO_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/tyr-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10704