abcam

## Product datasheet

# Anti-Tyrosinase antibody ab56207

### 概述

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| **产品名称** | Anti-Tyrosinase抗体 |
| **描述** | **兔多克隆抗体**to Tyrosinase |
| **宿主** | Rabbit |
| **经测试应用** | **适用于:** WB, Indirect ELISA |
| **种属反应性** | **与反应:** Recombinant fragment<br>**预测可用于:** Mouse |
| **免疫原** | Synthetic peptide corresponding to C-terminal residues of Tyrosinase precursor (Mouse) |

### 性能

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| **形式** | Liquid |
| **存放说明** | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| **存储溶液** | Preservative: 0.01% Sodium Azide<br>Constituents: 50% Glycerol, PBS |
| **纯度** | Immunogen affinity purified |
| **克隆** | **多克隆** |
| **同种型** | IgG |

### 应用

Our Abpromise guarantee covers the use of **ab56207** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用 | Ab 评论 | 说明 |
|---|---|---|
| WB | | Use a concentration of 1 µg/ml. Predicted molecular weight: 61 kDa. for 2 hours. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein. |
| Indirect ELISA | | Use at an assay dependent dilution. |

## 靶标

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| **功能** | This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone. |
| **疾病相关** | Defects in TYR are the cause of albinism oculocutaneous type 1A (OCA1A) [MIM:203100]; also known as tyrosinase negative oculocutaneous albinism. An autosomal recessive disorder in which the biosynthesis of melanin pigment is absent in skin, hair, and eyes. It is characterized by complete lack of tyrosinase activity due to production of an inactive enzyme. Patients present with a life-long absence of melanin pigment after birth, and manifest increased sensitivity to ultraviolet radiation with predisposition to skin cancer. Visual anomalies include decreased acuity, nystagmus, strabismus and photophobia.<br>Defects in TYR are the cause of albinism oculocutaneous type 1B (OCA1B) [MIM:606952]; also known as albinism yellow mutant type. An autosomal recessive disorder in which the biosynthesis of melanin pigment is reduced in skin, hair, and eyes. It is characterized by partial lack of tyrosinase activity. Patients have white hair at birth that rapidly turns yellow or blond. They manifest the development of minimal-to-moderate amounts of cutaneous and ocular pigment. Some patients may have with white hair in the warmer areas (scalp and axilla) and progressively darker hair in the cooler areas (extremities). This variant phenotype is due to a loss of tyrosinase activity above 35-37 degrees C. |
| **序列相似性** | Belongs to the tyrosinase family. |
| **细胞定位** | Melanosome membrane. |