

Tyrosinase Rabbit pAb

Catalog No.: A16993

Basic Information

Observed MW

70kDa

Calculated MW

60kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7299

Swiss Prot

P14679

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-340 of Tyrosinase (NP_000363.1).

Synonyms

ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3; Tyrosinase

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

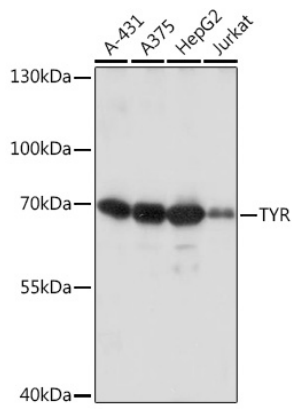
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using Tyrosinase Rabbit pAb (A16993) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.