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Tyrosinase Rabbit pAb

Catalog No.: A1254

13 Publications

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Basic Information

Observed MW
80 kDa

Calculated MW
60 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, IF-P, IHC-P, ELISA

Cross Reactivity
Human, Mouse, 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 - 1:5000
IF/ICC	1:200 - 1:400
IF-P	1:50 - 1:200
IHC-P	1:50 - 1:200

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
This information is considered to be commercially sensitive.

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

Contact

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Product Information

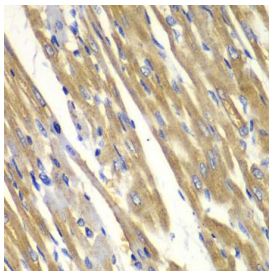
Source
Rabbit

Isotype
IgG

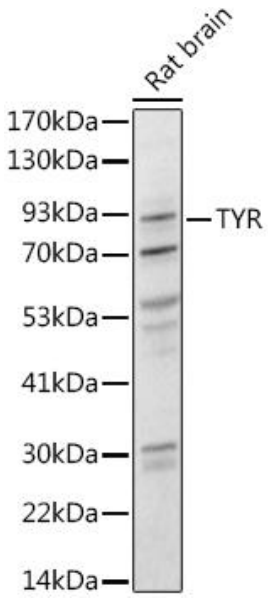
Purity
Affinity purification

Storage
Store at -20℃

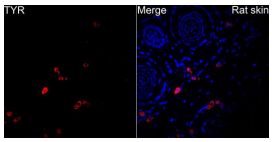
Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat heart using Tyrosinase Rabbit pAb (A1254) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Western blot analysis of lysates from Rat brain, using Tyrosinase Rabbit pAb (A1254) 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: 90s.



Immunofluorescence analysis of paraffin-embedded Rat skin using Tyrosinase Rabbit pAb (A1254) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

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