

Tyrosinase Rabbit mAb

Catalog No.: A28614 Recombinant

Basic Information

Observed MW

43/60 kDa, 70-80 kDa(glycosylated)

Calculated MW

43 kDa/60 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human, Mouse

Clone/No number

ARC79828

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	1:2000 - 1:10000
IF/ICC	1:200 - 1:400
IHC-P	1:2000 - 1:8000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

7299

Swiss Prot

P14679

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

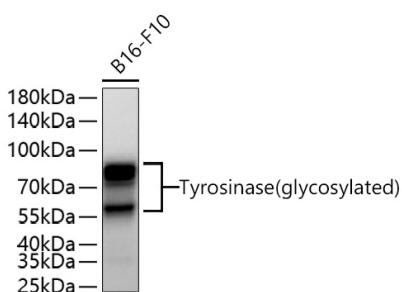
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3

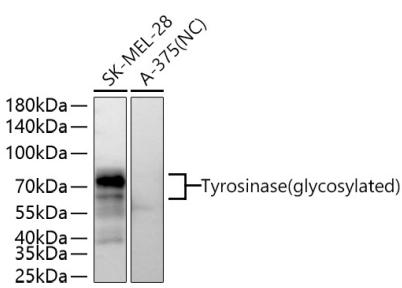
Contact

-  | 400-999-6126
-  | cn.market@abclonal.com.cn
-  | www.abclonal.com.cn

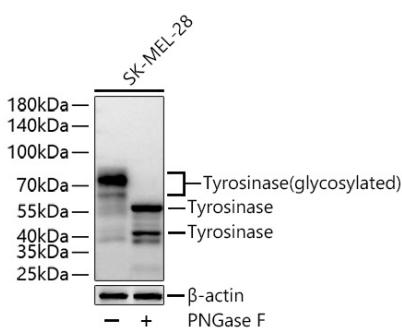
Validation Data



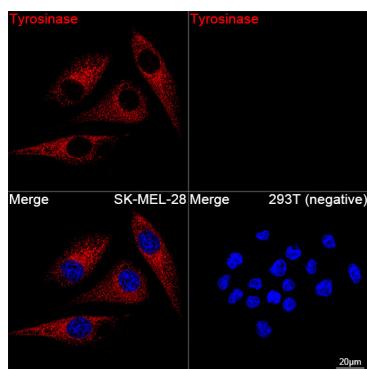
Western blot analysis of lysates from B16-F10 cells using Tyrosinase Rabbit mAb (A28614) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10 s.



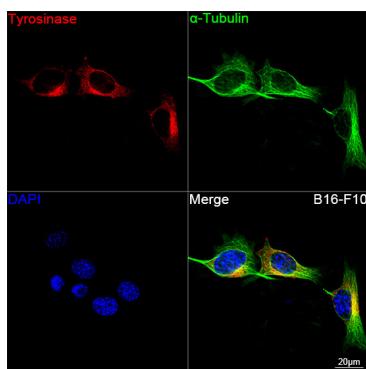
Western blot analysis of various lysates using Tyrosinase Rabbit mAb (A28614) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 30 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): A-375.
 Exposure time: 20 s.



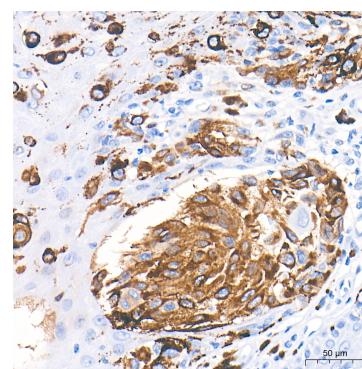
Western blot analysis of various lysates using Tyrosinase Rabbit mAb (A28614) at 1:5000 dilution incubated overnight at 4°C. SK-MEL-28 cells treated with PNGase F (2 U/µL) at 37°C for 1 hours.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 30 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 20 s.



Confocal imaging of SK-MEL-28 cells and 293T (negative) cells using Tyrosinase Rabbit mAb (A28614, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



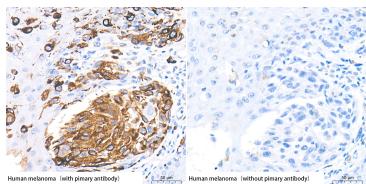
Confocal imaging of B16-F10 cells using Tyrosinase Rabbit mAb (A28614, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by



Immunohistochemistry analysis of paraffin-embedded Human melanoma tissue using Tyrosinase Rabbit mAb (A28614) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data

incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human melanoma (with blank control) tissue using Tyrosinase Rabbit mAb (A28614) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.