



Catalog: OM638963

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Tyrosinase

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☐ 100 µl

Product profile

Product name	Tyrosinase
Antibody Type	Primary Antibodies
Product description	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine. In addition to hydroxylating tyrosine to DOPA (3,4-dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA-quinone, and possibly the oxidation of DHI (5,6-dihydroxyindole) to indole-5,6 quinone.
Immunogen	Peptide

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,ICC ,IHC ,FC
Species Reactivity	Human Mouse
Concentration	1 mg/mL.

Target Information

Alternative Names	ATN antibody CMM8 antibody LB24 AB antibody LB24-AB antibody Monophenol monooxygenase antibody OCA1 antibody OCA1A antibody OCAIA antibody Oculocutaneous albinism IA antibody SHEP3 antibody SK29 AB antibody SK29-AB antibody Tumor rejection antigen AB antibody TYR antibody TYRO_HUMAN antibody tyrosinase (oculocutaneous albinism IA) antibody Tyrosinase antibody
Molecular Weight(MW)	70 kDa
Cellular Localization	Membrane.

Database Links

Application

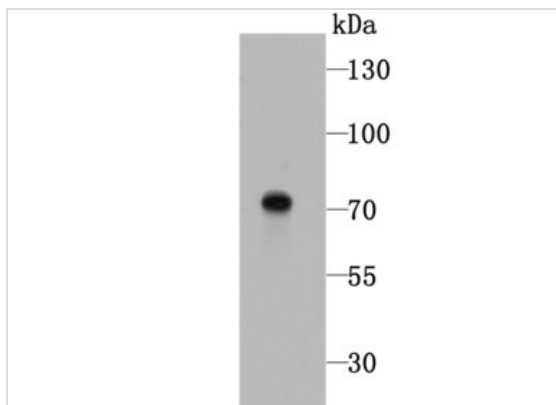
**Application**

Fig1: Western blot analysis of Tyrosinase on B16F1 cell lysates using anti-Tyrosinase antibody at 1/1,000 dilution.

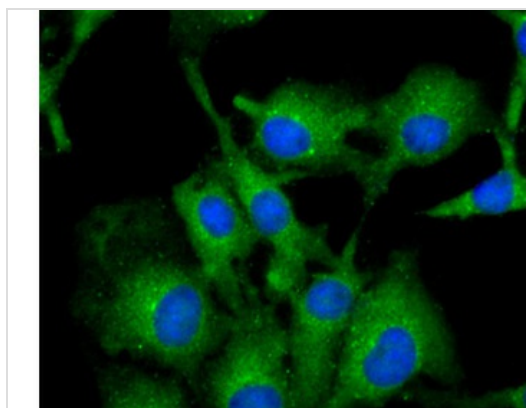
**Application**

Fig2: ICC staining Tyrosinase in B16F1 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

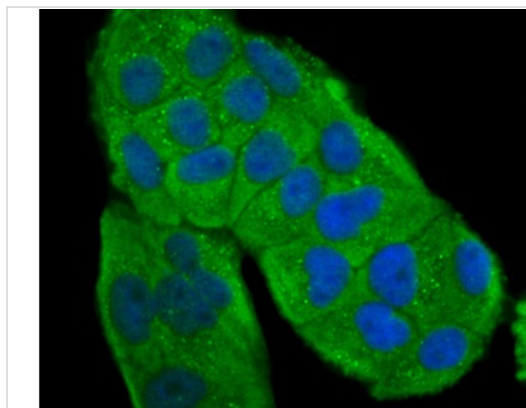
**Application**

Fig3: ICC staining Tyrosinase in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

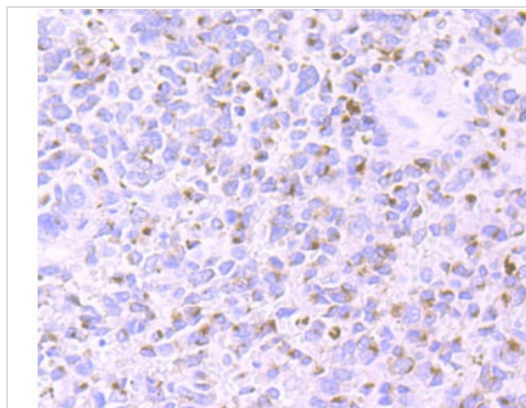
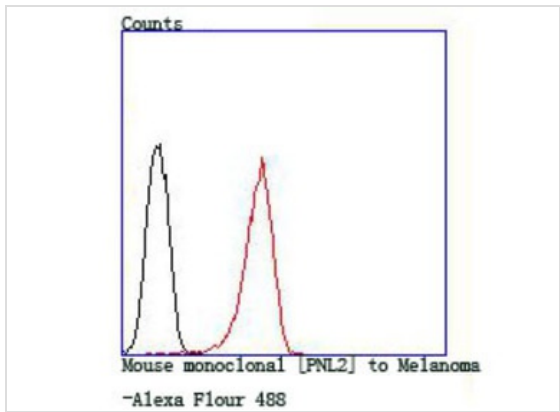
**Application**

Fig4: Immunohistochemical analysis of paraffin-embedded human urethral melanoma tissue using anti-Tyrosinase antibody. Counter stained with hematoxylin.

Application

Fig5: Flow cytometric analysis of A431 cells with Tyrosinase antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



Positive Control B16F1, Hela, human urethral melanoma tissue, A431.

Application Notes **WB:**1:200-1:500
ICC:1:50-1:200
IHC:1:50-1:200
FC:1:50-1:200:

Additional Information

Form	Liquid
Storage Instructions	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt