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Product datasheet for AP17815PU-N

Tyrosinase (TYR) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/1000. **Immunofluorescence:** 1/10-1/50. **Flow Cytometry:** 1/10-1/50. **Immunohistochemistry on Paraffin Sections:** 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 486-513 amino acids from the C-terminal region of Human Tyrosinase.
Specificity:	This antibody recognizes Human Tyrosinase (TYR). Other species not tested.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	60393 Da
Gene Name:	tyrosinase
Database Link:	Entrez Gene 7299 Human P14679

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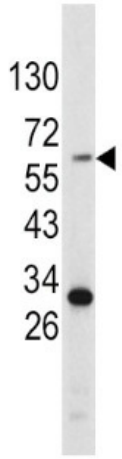
Background: TYR catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The protein has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this protein result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation.

Synonyms: LB24-AB; OCA1A; OCAIA; SHEP3; SK29-AB; tyrosinase

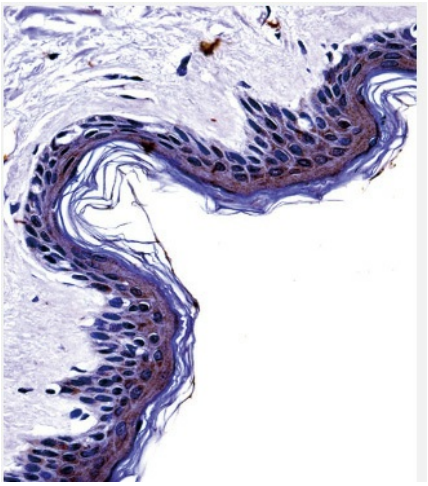
Protein Families: Transmembrane

Protein Pathways: Melanogenesis, Metabolic pathways, Riboflavin metabolism, Tyrosine metabolism

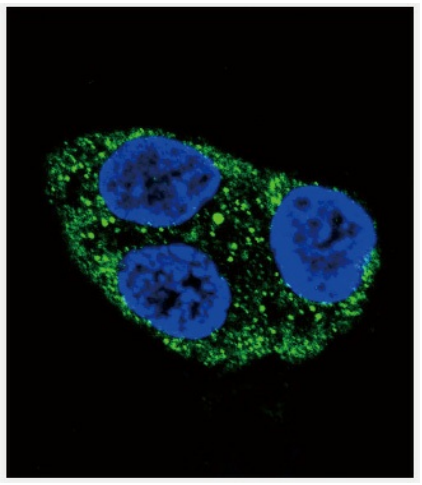
Product images:



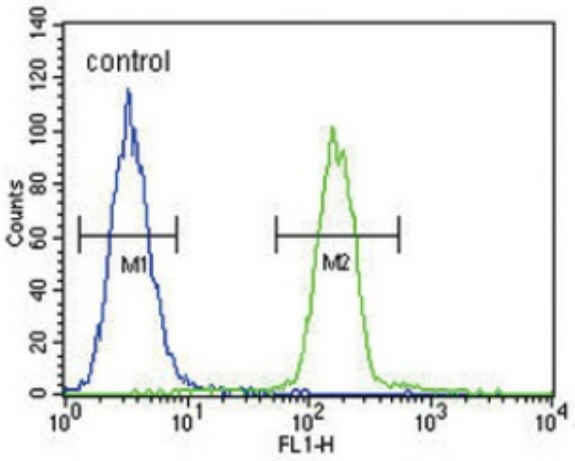
Western blot analysis of Tyrosinase Antibody (C-term) in HepG2 cell line lysates (35ug/lane). Tyrosinase (arrow) was detected using the purified Pab.



Immunohistochemistry analysis in formalin fixed and paraffin embedded human skin tissue using Tyrosinase Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Tyrosinase Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of Tyrosinase Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green).DAPI was used to stain the cell nuclear (blue).



Fow Cytometric analysis of A375 cells using Tyrosinase Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.