

DATASHEET

P protein Rabbit Polyclonal Antibody

CAT. NO. APA13590

KEY FEATURES

Target	P protein	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Contributes to a melanosome-specific anion (chloride) current that modulates melanosomal pH for optimal tyrosinase activity required for melanogenesis and the melanosome maturation current that modulates melanosomal pH for optimal tyrosinase activity required for melanogenesis and the melanosome maturation . One of the components of the mammalian pigmentary system . May serve as a key control point at which ethnic skin color variation is determined. Major determinant of brown and/or blue eye color . Seems to regulate the post-translational processing of tyrosinase, which catalyzes the limiting reaction in melanin synthesis .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

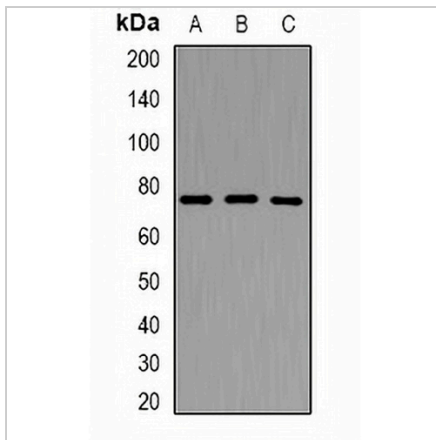
Description	Rabbit polyclonal antibody to P protein
Specificity	Recognizes endogenous levels of P protein protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human P protein
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 74; Observed: 74 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	D15S12; P; P protein; Melanocyte-specific transporter protein; Pink-eyed dilution protein homolog
Gene Symbol	OCA2
Entrez Gene	4948(Human); 18431(Mouse)
SwissProt	Q04671(Human); Q62052(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of P protein expression in U937 (A), BT474 (B), mouse testis (C) whole cell lysates. (Predicted band size: 74; 90; 92 kD; Observed band size: 74 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.