

## Anti-P antibody

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<b>Description</b>	Unconjugated Rabbit polyclonal to P
<b>Model</b>	STJ192517
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthesized peptide derived from human P protein.
<b>Immunogen Region</b>	230-310aa
<b>Gene ID</b>	<a href="#">4948</a>
<b>Gene Symbol</b>	<a href="#">OCA2</a>
<b>Dilution range</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Specificity</b>	P Polyclonal Antibody detects endogenous levels of protein.
<b>Purification</b>	P antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	P protein Melanocyte-specific transporter protein Pink-eyed dilution protein homolog
<b>Molecular Weight</b>	92 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated

<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:8101</a> <a href="#">OMIM:203200</a>
<b>Alternative Names</b>	P protein Melanocyte-specific transporter protein Pink-eyed dilution protein homolog
<b>Function</b>	Could be involved in the transport of tyrosine, the precursor to melanin synthesis, within the melanocyte. Regulates the pH of melanosome and the melanosome maturation. One of the components of the mammalian pigmentary system. Seems to regulate the post-translational processing of tyrosinase, which catalyzes the limiting reaction in melanin synthesis. May serve as a key control point at which ethnic skin color variation is determined. Major determinant of brown and/or blue eye color.
<b>Cellular Localization</b>	Melanosome membrane

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