

# PROP1 polyclonal antibody

Catalog # PAB17025      Size 100 ug

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of PROP1.
<b>Immunogen</b>	A synthetic peptide corresponding to human PROP1.
<b>Sequence</b>	AERRRQAEKPKKGR-C
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	25
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:32000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PROP1

Entrez GeneID	<a href="#">5626</a>
Protein Accession#	<a href="#">NP_006252</a>
Gene Name	PROP1
Gene Alias	-
Gene Description	PROP paired-like homeobox 1
Omim ID	<a href="#">601538</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	PROP1 has both DNA-binding and transcriptional activation ability. Its expression leads to ontogenesis of pituitary gonadotropes, as well as somatotropes, lactotropes, and caudomedial thyrotropes. Inactivating mutations in PROP1 result in deficiencies of luteinizing hormone (LH; MIM 152780), follicle-stimulating hormone (FSH; MIM 136530), growth hormone (GH; MIM 139250), prolactin (PRL; MIM 176760), and thyroid-stimulating hormone (TSH; MIM 188540). See combined pituitary hormone deficiency (CPHD; MIM 262600).[supplied by OMIM]
Other Designations	OTTHUMP00000161487 prophet of Pit1, paired-like homeodomain transcription factor

## Publication Reference

- [Molecular analysis of novel PROP1 mutations associated with combined pituitary hormone deficiency \(CPHD\).](#)

Kelberman D, Turton JP, Woods KS, Mehta A, Al-Khawari M, Greening J, Swift PG, Otonkoski T, Rhodes SJ, Dattani MT.

Clinical Endocrinology 2009 Jan; 70(1):96.

## Disease

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