



Anti-PROP1 polyclonal antibody (DPAB-DC2507)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a paired-like homeodomain transcription factor in the developing pituitary gland. Expression occurs prior to and is required for expression of pou domain transcription factor 1, which is responsible for pituitary development and hormone expression. Mutations in this gene have been associated with combined pituitary hormone deficiency-2 as well as deficiencies in luteinizing hormone, follicle-stimulating hormone, growth hormone, prolactin, and thyroid-stimulating hormone.
Immunogen	A synthetic peptide corresponding to human PROP1. The sequence is AERRRQAEKPKKGR-C
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PROP1 PROP paired-like homeobox 1 [Homo sapiens (human)]
Official Symbol	PROP1
Synonyms	PROP1; PROP paired-like homeobox 1; CPHD2; PROP-1; homeobox protein prophet of Pit-1; pituitary-specific homeodomain factor; prophet of Pit1, paired-like homeodomain transcription factor;
Entrez Gene ID	5626
Protein Refseq	NP_006252
UniProt ID	O75360
Chromosome Location	5q35.3
Function	beta-catenin binding; chromatin binding; protein C-terminus binding; protein binding