



Anti-PROP1 polyclonal antibody (DPAB-DC2507)

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

PRODUCT INFORMATION

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| 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

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| 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 |