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PROP1 Rabbit pAb

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Catalog # AP57433

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O75360
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24984
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PROP1
Epitope Specificity	101-180/226
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus
DISEASE	Combined pituitary hormone deficiency is defined as the impaired production of growth hormone and one or more of the other five anterior pituitary hormones. CPHD2 is characterized by pleiotropic deficiencies of growth hormone, thyroid-stimulating hormone, follicle-stimulating hormone, luteinizing hormone, prolactin and adrenocorticotropic hormone.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Sep 2011]

Additional Information

Gene ID	5626
Other Names	Homeobox protein prophet of Pit-1, PROP-1, Pituitary-specific homeodomain factor, PROP1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PROP1
Function	Possibly involved in the ontogenesis of pituitary gonadotropes, as well as somatotropes, lactotropes and caudomedial thyrotropes.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.
Tissue Location	Expressed specifically in embryonic pituitary.

Background

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