



PROP1 Polyclonal Antibody

Catalog No	YP-Ab-06699
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PROP1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PROP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Homeobox protein prophet of Pit-1;Pituitary-specific homeodomain factor;PROP 1;PROP paired like homeobox 1;PROP-1;PROP1;Homeobox protein prophet of Pit-1 (PROP-1) (Pituitary-specific homeodomain factor)
Observed Band	24kD
Calculated Molecular Weight	24kD
Cell Pathway	Nucleus .
Tissue Specificity	Expressed specifically in embryonic pituitary.
Function	disease:Defects in PROP1 are a cause of combined pituitary hormone deficiency (CPHD) [MIM:601538, 262600]. It is characterized by impaired production of growth hormone (GH) and one or more of the other five anterior pituitary hormones.,function:Possibly involved in the ontogenesis of pituitary gonadotropes, as well as somatotropes, lactotropes and caudomedial thyrotropes.,similarity:Belongs to the paired homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Expressed specifically in embryonic pituitary.,



Background

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],

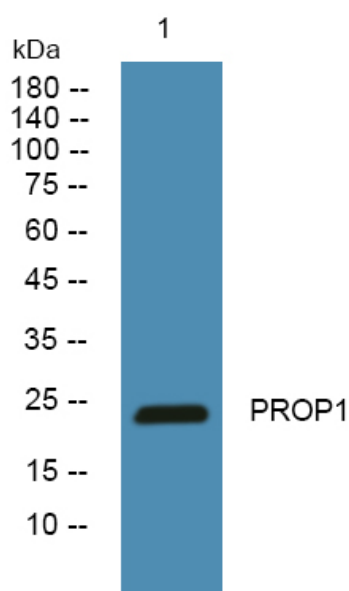
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night