

PROP1 Polyclonal Antibody

Catalog No :	YN1833
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	PROP1
Gene Name :	PROP1
Protein Name :	Homeobox protein prophet of Pit-1 (PROP-1) (Pituitary-specific homeodomain factor)
Human Gene Id :	5626
Human Swiss Prot No :	O75360
Mouse Swiss Prot No :	P97458
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
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	24kD

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],

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.,

Subcellular Location :

Nucleus .

Expression :

Expressed specifically in embryonic pituitary.

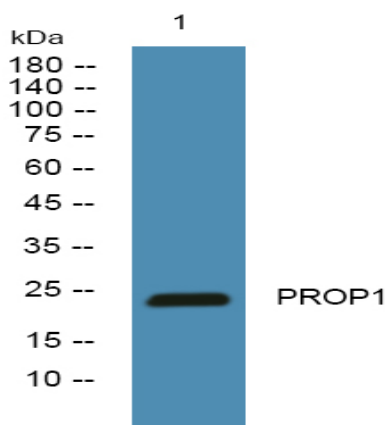
Sort :

21053

No4 :

1

Products Images



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