



# PROP1 Monoclonal Antibody

Catalog No	BYmab-06699
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PROP1
Protein Name	Homeobox protein prophet of Pit-1 (PROP-1) (Pituitary-specific homeodomain factor)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PROP1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	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

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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],

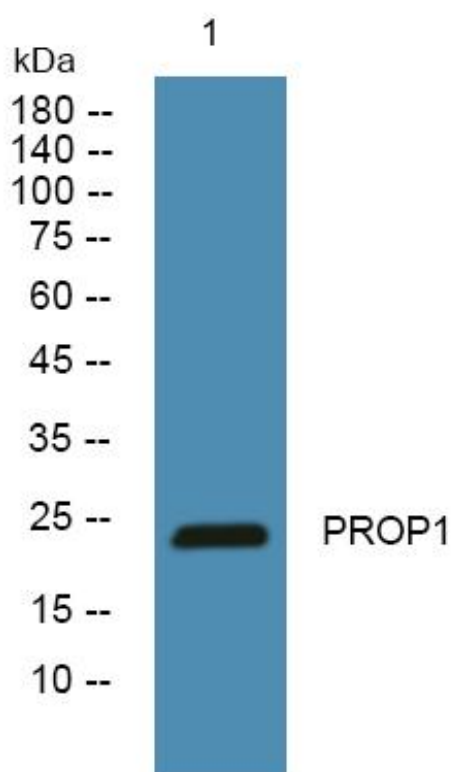
**matters needing attention**

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 various cells using PROP1 Monoclonal Antibody