



PROX1 Polyclonal Antibody

Catalog No	YP-Ab-06977
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PROX1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PROX1 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 prospero-like protein PROX1;prospero homeobox 1;Prospero; PROX1;Prospero homeobox protein 1 (Homeobox prospero-like protein PROX1) (PROX-1)
Observed Band	90 kDa
Calculated Molecular Weight	737 aa, 83 kDa
Cell Pathway	Nucleus . RORG promotes its nuclear localization. .
Tissue Specificity	Most actively expressed in the developing lens. Detected also in embryonic brain, lung, liver and kidney. In adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas.
Function	function:May play a fundamental role in early development of CNS. May regulate gene expression and development of postmitotic undifferentiated young neurons.,similarity:Belongs to the Prospero homeobox family.,similarity:Contains 1 Prospero-type homeobox DNA-binding domain.,tissue specificity:Most actively expressed in the developing lens. Detected also in embryonic brain, lung, liver and kidney. In adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas.,

Background

The protein encoded by this gene is a member of the homeobox transcription factor family. Members of this family contain a homeobox domain that consists of a 60-amino acid helix-turn-helix structure that binds DNA and RNA. The protein encoded by this gene is conserved across vertebrates and may play an essential role during development. Altered levels of this protein have been reported in cancers of different organs, such as colon, brain, blood, breast, pancreas, liver and esophagus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012],

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