Leader in Biomolecular Solutions for Life Science

# PROX1 Rabbit mAb

Catalog No.: A9047 Recombinant 2 Publications



### **Basic Information**

**Observed MW** 90kDa

**Calculated MW** 83kDa

Category Primary antibody

Applications ELISA,WB,IHC-P

**Cross-Reactivity** Human, Mouse, Rat

**CloneNo number** ARC1391

**Recommended Dilutions** 

# 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 helixturn-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.

# **Immunogen Information**

WB	1:500 - 1:1000	Gene ID	Swiss Prot	
ІНС-Р	1:50 - 1:200	5629	Q92786	
		Immunogon		

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PROX1 (Q92786).

### Synonyms

PROX1; prospero homeobox 1

Со	nta	ct

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# **Product Information**

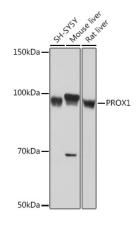
Source Rabbit

Isotype lgG

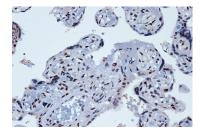
**Purification** Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



Western blot analysis of various lysates using PROX1 Rabbit mAb (A9047) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1min.



Immunohistochemistry analysis of paraffinembedded Human placenta using PROX1 Rabbit mAb (A9047) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.