

Basic Information

Product Name	Anti-PROX1 Antibody
Gene Name	PROX1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human PROX1, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	90 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

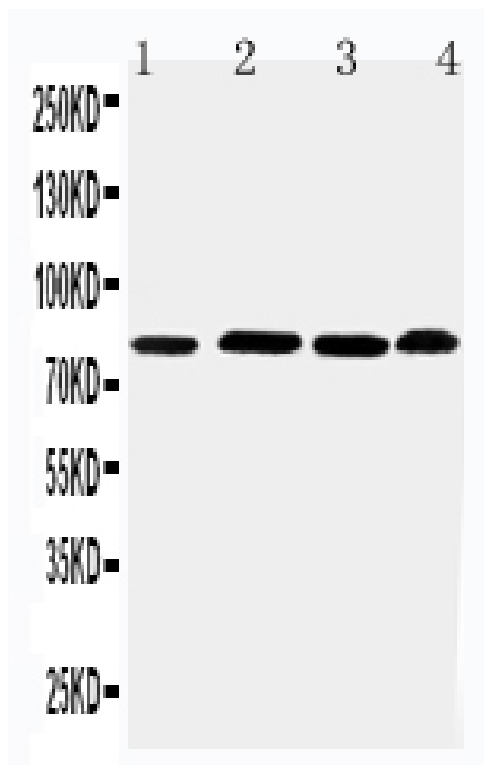
Background Information

Prospero homeobox protein 1, also called PROX1 is a protein that in humans is encoded by the PROX1 gene. This gene is mapped to 1q32.3. 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.

Reference

Anti-PROX1 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of PROX1 using anti-PROX1 antibody

(BA2390-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Rat Thymus tissue lysates,

Lane 2: HELA whole cell lysates,

Lane 3: JURKAT whole cell lysates,

Lane 4: MM231 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-PROX1 antigen affinity purified polyclonal antibody (BA2390-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PROX1 at approximately 90 kDa. The expected band size for PROX1 is at 83 kDa.