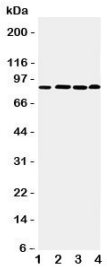
PROX1 Antibody / Prospero homeobox 1 (R31353)

Catalog No.	Formulation	Size
R31353	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q92786
Applications	Western blot: 0.5-1ug/ml
Limitations	This PROX1 antibody is available for research use only.



Western blot testing of PROX1 antibody and Lane 1: rat thymus; 2: human HeLa; 3: (h) Jurkat; 4: (h) MM231 cell lysate. Predicted molecular weight is 83 kDa, observed at 80-110 kDa.

Description

Prospero homeobox protein 1 is encoded by the PROX1 gene. It 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. PROX1 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PROX1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Prospero homeobox protein 1 (KHLAETLKQELNTA) was used as the immunogen for this PROX1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the PROX1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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