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PROX1 Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI16042

Specification

PROX1 Antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q92786
Other Accession	NP_002754
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**81kDa KDa**

PROX1 Antibody - middle region - Additional Information

Gene ID 5629

Alias Symbol	**PROX1,**

Other Names
Prospero homeobox protein 1, Homeobox prospero-like protein PROX1, PROX-1, PROX1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 &mu, l of distilled water. Final Anti-PROX1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
PROX1 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

PROX1 Antibody - middle region - Protein Information

Name PROX1

Function
Transcription factor involved in developmental processes such as cell fate determination, gene transcriptional regulation and progenitor cell regulation in a number of organs. Plays a critical role in embryonic development and functions as a key regulatory protein in neurogenesis and the development of the heart, eye lens, liver, pancreas and the lymphatic system. Involved in the regulation of the circadian rhythm. Represses: transcription of the retinoid-related orphan receptor RORG, transcriptional activator activity of RORA and RORG and the expression of RORA/G-target genes including core clock components: BMAL1, NPAS2 and CRY1 and metabolic genes: AVPR1A and ELOVL3.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P48437}. Note=RORG promotes its nuclear localization. {ECO:0000250|UniProtKB:P48437}

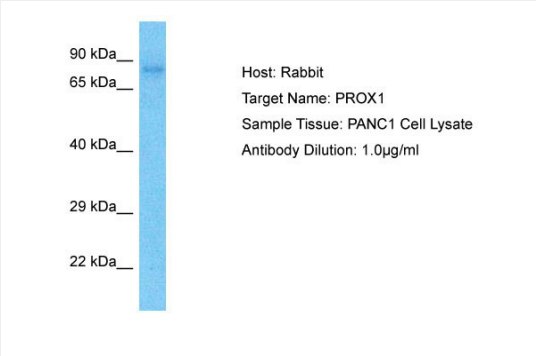
Tissue Location
Most actively expressed in the developing lens. Detected also in embryonic brain, lung, liver and kidney. In adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas.

PROX1 Antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PROX1 Antibody - middle region - Images



Host: Rabbit
Target Name: PROX1
Sample Tissue: PANC1 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

PROX1 Antibody - middle region - Background

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PROX1 Antibody - middle region - References

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Gregory S.G.,et al.Nature 441:315-321(2006).
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