

**FOXN4 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13490a**

**Specification**

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**FOXN4 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96NZ1</a>
Other Accession	<a href="#">NP_998761.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55215
Antigen Region	1-30

**FOXN4 Antibody (N-term) - Additional Information**

**Gene ID** 121643

**Other Names**

Forkhead box protein N4, FOXN4

**Target/Specificity**

This FOXN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FOXN4.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FOXN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FOXN4 Antibody (N-term) - Protein Information**

**Name** FOXN4

**Function** Transcription factor essential for neural and some non-neural tissues development, such as retina and lung respectively. Binds to an 11-bp consensus sequence containing the invariant

tetranucleotide 5'- ACGC-3'. During development of the central nervous system, is required to specify the amacrine and horizontal cell fates from multipotent retinal progenitors while suppressing the alternative photoreceptor cell fates through activating DLL4-NOTCH signaling. Also acts synergistically with ASCL1/MASH1 to activate DLL4-NOTCH signaling and drive commitment of p2 progenitors to the V2b interneuron fates during spinal cord neurogenesis. In development of non-neural tissues, plays an essential role in the specification of the atrioventricular canal and is indirectly required for patterning the distal airway during lung development (By similarity).

#### Cellular Location

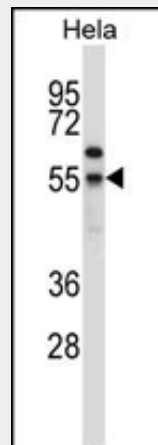
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.

#### FOXN4 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### FOXN4 Antibody (N-term) - Images



FOXN4 Antibody (N-term) (Cat. #AP13490a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the FOXN4 antibody detected the FOXN4 protein (arrow).

#### FOXN4 Antibody (N-term) - Background

Members of the winged-helix/forkhead family of transcription factors, such as FOXN4, are characterized by a 110-amino acid DNA-binding domain that can fold into a variant of the helix-turn-helix motif consisting of 3 alpha helices flanked by 2 large loops or wings. These transcription factors are involved in a variety of biologic processes as key regulators in development and metabolism (Li et al., 2004 [PubMed 15363391]). [supplied by OMIM].

**FOXN4 Antibody (N-term) - References**

- Scherer, S.E., et al. Nature 440(7082):346-351(2006)  
Katoh, M., et al. Int. J. Mol. Med. 14(5):949-953(2004)  
Danilova, N., et al. Brain Res. Dev. Brain Res. 153(1):115-119(2004)  
Li, S., et al. Neuron 43(6):795-807(2004)