

# FOXN4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13492a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q96NZ1</a>
<b>Other Accession</b>	<a href="#">NP_998761.2</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB33401
<b>Calculated MW</b>	55215
<b>Antigen Region</b>	17-45

## Additional Information

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<b>Gene ID</b>	121643
<b>Other Names</b>	Forkhead box protein N4, FOXN4
<b>Target/Specificity</b>	This FOXN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-45 amino acids from the N-terminal region of human FOXN4.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	FOXN4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FOXN4
<b>Function</b>	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}.

## Background

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The specific function of the protein remains unknown.

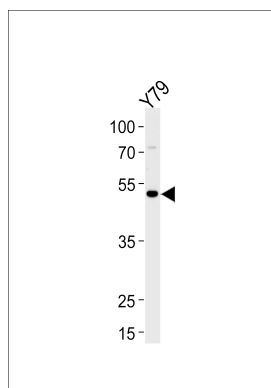
## References

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Hirschfield, G.M., et al. N. Engl. J. Med. 360(24):2544-2555(2009)  
Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)  
Colicelli, J. Sci. STKE 2004 (250), RE13 (2004) :

## Images

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Western blot analysis of lysate from Y79 cell line, using FOXN4 Antibody (N-term)(Cat. #AP13492a). AP13492a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.