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# FOXN4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21307b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q96NZ1 |
| **Reactivity** | Human |
| **Predicted** | Rat, Bovine, Canine, Chicken |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB52411 |
| **Calculated MW** | 55215 |

## Additional Information

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|---|---|
| **Gene ID** | 121643 |
| **Other Names** | Forkhead box protein N4, FOXN4 |
| **Target/Specificity** | This FOXN4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 436-470 amino acids from the C-terminal region of human FOXN4. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **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}.

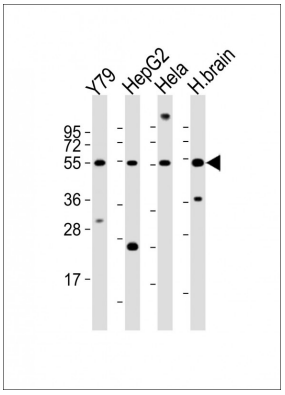
## Background

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).

## References

Scherer S.E.,et al.Nature 440:346-351(2006).
Danilova N.,et al.Brain Res. Dev. Brain Res. 153:115-119(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

## Images




All lanes : Anti-FOXN4 Antibody (C-term) at 1:2000 dilution Lane 1: Y79 whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: Hela whole cell lysates Lane 4: human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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