

FOXN4 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20908a

Product Information

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|--------------------------|------------------------|
| Application | WB, E |
| Primary Accession | Q96NZ1 |
| Reactivity | Human, Rat, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB51248 |
| 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 314-349 amino acids from the Central region of human FOXN4. |
| Dilution | WB~~1:1000 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 (Center) 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).

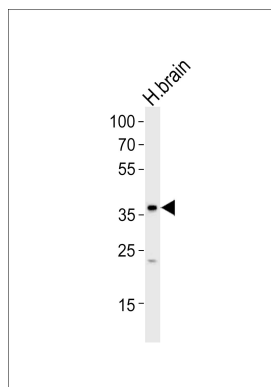
Cellular Location

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

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



Western blot analysis of lysate from human brain tissue lysate, using FOXN4 Antibody (Center)(Cat. #AP20908a). AP20908a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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