abcepta

FOXN4 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20908a

Specification

FOXN4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	[Q96NZ1](#)
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55215**

FOXN4 Antibody (Center) - Additional Information

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.

FOXN4 Antibody (Center) - 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

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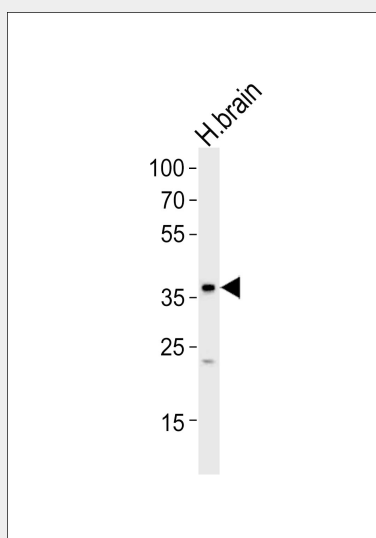
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.

FOXN4 Antibody (Center) - 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

FOXN4 Antibody (Center) - 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.

FOXN4 Antibody (Center) - 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).