FOXN4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13492a

Specification

FOXN4 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96NZ1
Other Accession	NP_998761.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55215**
Antigen Region	**17-45**

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 17-45 amino acids from the N-terminal 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 (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).
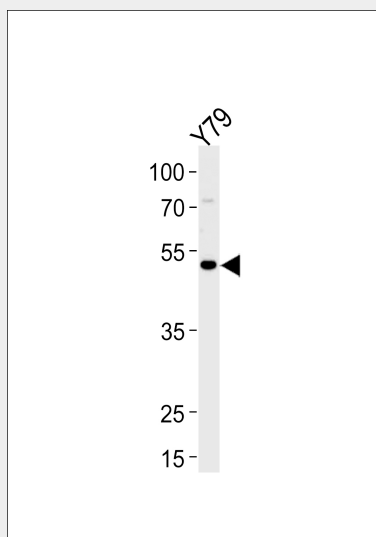
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.

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 Cytomety
- Cell Culture

FOXN4 Antibody (N-term) - Images

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.

FOXN4 Antibody (N-term) - Background

The specific function of the protein remains unknown.

FOXN4 Antibody (N-term) - References

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) :