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FOXN4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13492a

Product Information

Application	WB, E
Primary Accession	Q96NZ1
Other Accession	NP_998761.2
Reactivity	Human, Mouse
Predicted	Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33401
Calculated MW	55215
Antigen Region	17-45

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.

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}.

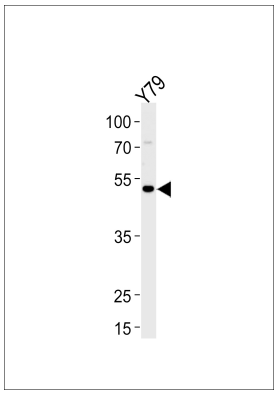
Background

The specific function of the protein remains unknown.

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) :

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.

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