

FOXN4 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13492a**Specification**

FOXN4 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q96NZ1](#)**FOXN4 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 121643**Other Names**

Forkhead box protein N4, FOXN4

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13492a was selected from the N-term region of ARL14. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FOXN4 Antibody (N-term) Blocking peptide - 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) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

FOXN4 Antibody (N-term) Blocking peptide - Images**FOXN4 Antibody (N-term) Blocking peptide - Background**

The specific function of the protein remains unknown.

FOXN4 Antibody (N-term) Blocking peptide - 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) :