

FOXN4 Antibody (aa411-460)

Rabbit Polyclonal Antibody Catalog # ALS16544

Specification

FOXN4 Antibody (aa411-460) - Product Information

IHC, WB Application **Primary Accession** 096NZ1 Other Accession 121643 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype **IgG** Calculated MW 55215

FOXN4 Antibody (aa411-460) - Additional Information

Gene ID 121643

Other Names

FOXN4, Forkhead box N4, Forkhead box protein N4

Target/Specificity

FOXN4 Antibody detects endogenous levels of total FOXN4 protein.

Reconstitution & Storage

PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C for up to one year.

Precautions

FOXN4 Antibody (aa411-460) is for research use only and not for use in diagnostic or therapeutic procedures.

FOXN4 Antibody (aa411-460) - 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 LocationNucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.

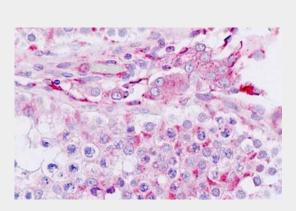
Volume 50 μl

FOXN4 Antibody (aa411-460) - Protocols

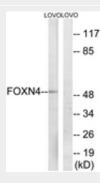
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

FOXN4 Antibody (aa411-460) - Images



Anti-FOXN4 antibody IHC staining of human testis.

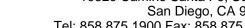


Western blot of extracts from LOVO cells, using FOXN4 Antibody.

FOXN4 Antibody (aa411-460) - Background

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FOXN4 Antibody (aa411-460) - 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).