Anti-FOXN4 Antibody
Rabbit polyclonal antibody to FOXN4
Catalog # AP60762

Specification

Anti-FOXN4 Antibody - Product Information

Application	**WB**
Primary Accession	Q96NZ1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**55215**

Anti-FOXN4 Antibody - Additional Information

Gene ID 121643

Other Names
Forkhead box protein N4

Target/Specificity
Recognizes endogenous levels of FOXN4 protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-FOXN4 Antibody - 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).
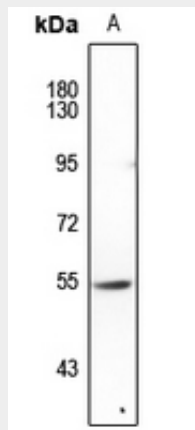
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089}.
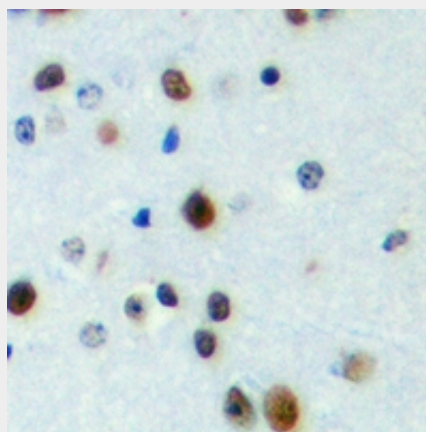
Anti-FOXN4 Antibody - Protocols

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](#)

Anti-FOXN4 Antibody - Images

Western blot analysis of FOXN4 expression in H1792 (A) whole cell lysates.

Immunohistochemical analysis of FOXN4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-FOXN4 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FOXN4. The exact sequence is proprietary.