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Anti-FOXN4 Antibody

Rabbit polyclonal antibody to FOXN4
Catalog # AP60762

Product Information

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

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

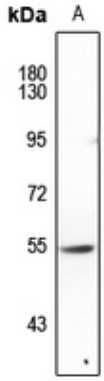
Protein Information

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}.

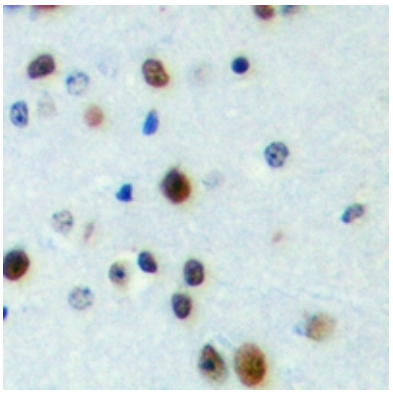
Background

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

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.