FOXN4 Antibody

Catalog No: #34686

Package Size: #34686-1 50ul #34686-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

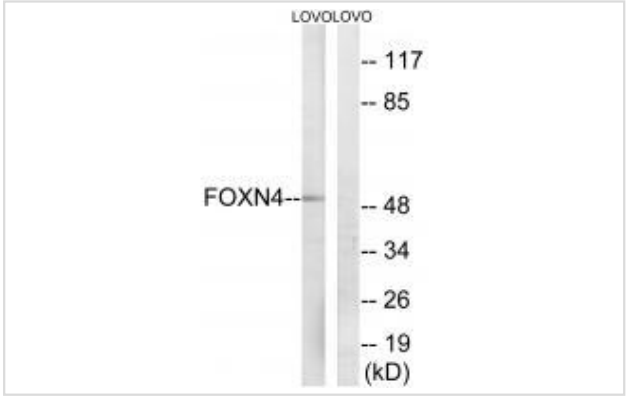
Description

Product Name	FOXN4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total FOXN4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human FOXN4.
Target Name	FOXN4
Other Names	Forkhead box protein N4; FOXN4;
Accession No.	Swiss-Prot: Q96NZ1NCBI Gene ID: 121643
Uniprot	Q96NZ1
GeneID	121643;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from LOVO cells, using FOXN4 antibody #34686.

Background

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.

Scherer S.E., Nature 440:346-351(2006).
Danilova N., Brain Res. Dev. Brain Res. 153:115-119(2004).
Ota T., Nat. Genet. 36:40-45(2004).

Note: This product is for in vitro research use only