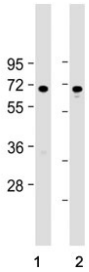
FOXN1 Antibody / Forkhead box protein N1 (F55122)

Catalog No.	Formulation	Size
F55122-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55122-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	O15353
Applications	Western blot: 1:1000-1:2000
Limitations	This FOXN1 antibody is available for research use only.



Western blot testing of human 1) A549 and 2) HeLa cell lysate with FOXN1 antibody. Predicted molecular weight ~69 kDa.

Description

FOXN1 is a member of the forkhead box (FOX) family of transcription factors, which play key roles in regulating gene expression. FOXN1 is primarily known for its critical function in the development and maintenance of the thymus, a crucial organ of the immune system. This protein is essential for the differentiation and maturation of thymic epithelial cells, which in turn support the development of T cells, a vital component of the adaptive immune response. Mutations in the FOXN1 gene have been linked to a rare genetic condition known as T-cell lymphopenia, where individuals have decreased levels of T cells and are more susceptible to infections. In addition to its role in immune function, FOXN1 has also been investigated for its potential in regenerative medicine. Studies have shown that FOXN1 expression is crucial for the regeneration of hair follicles and skin in mammals.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the FOXN1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 350-378 from the human protein was used as the immunogen for this FOXN1 antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the FOXN1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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