abcam

Product datasheet

Anti-FOXN1 antibody ab26069

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Overview

Product name	Anti-FOXN1 antibody
Description	Goat polyclonal to FOXN1
Host species	Goat
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide: SVYLSPSSKPVALA , corresponding to C terminal amino acids 635-648 of Human FOXN1(Peptide available as ab45510.) Run BLAST with Run BLAST with

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline. pH 7.3
Purity	Immunogen affinity purified
Purification notes	This antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab26069** in the following tested applications.

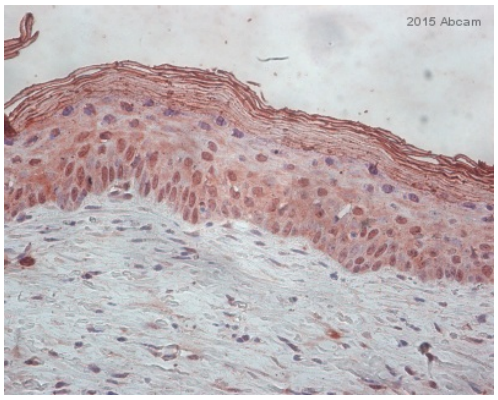
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	Use a concentration of 20 - 30 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Transcriptional regulator involved in development.
Tissue specificity	Expressed in thymus.
Involvement in disease	Defects in FOXN1 are the cause of T-cell immunodeficiency congenital alopecia and nail dystrophy (TIDAND) [MIM:601705]. A disorder characterized by the association of congenital alopecia, severe T-cell immunodeficiency, and ridging and pitting of all nails.
Sequence similarities	Contains 1 fork-head DNA-binding domain.
Cellular localization	Nucleus.

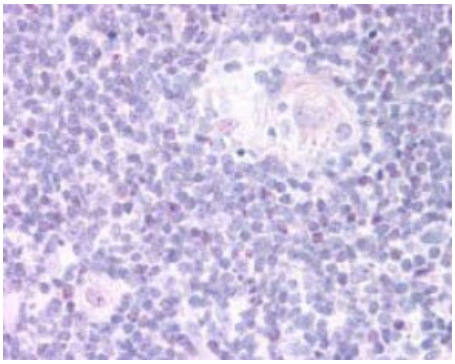
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXN1 antibody (ab26069)

Image is courtesy of an AbReview submitted by Muriel Cario-Andre.

Immunohistochemical analysis of formaldehyde-fixed paraffin-embedded human skin tissue sections, labelling FOXN1 with ab26069 at a dilution of 1/25 incubated for 18 hours at 4°C. Permeablization was with 0.05% Tween. Blocking was with 5% serum incubated for 20 minutes at room temperature. The secondary used was a swine polyclonal biotin-conjugate at 1/1000.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - FOXN1 antibody (ab26069)

Ab26069 (20ug/ml) staining human FOXN1 in human thymus medulla tissue by immunohistochemistry using paraffin embedded tissue.

Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

In paraffin embedded Human Thymus Medulla shows speculate nuclear staining in some of the Medullar cells.

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