

For Research Use Only

# FOXN1 Monoclonal antibody, PBS Only



Catalog Number: 66337-1-PBS

## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>66337-1-PBS                      | <b>GenBank Accession Number:</b><br>BC146539 | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ug , Concentration: 1mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>8456                | <b>CloneNo.:</b><br>1D8B12                            |
| <b>Source:</b><br>Mouse                                    | <b>UNIPROT ID:</b><br>O15353                 |   |
| <b>Isotype:</b><br>IgG1                                    | <b>Full Name:</b><br>forkhead box N1         |   |
| <b>Immunogen Catalog Number:</b><br>AG18207                | <b>Calculated MW:</b><br>648 aa, 69 kDa      |   |
|  | <b>Observed MW:</b><br>60 kDa                |   |

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

FOXN1, also named as Forkhead box protein N1, is a 648 amino acid protein, which contains 1 fork-head DNA-binding domain and localizes in the nucleus. FOXN1 as transcriptional regulator regulates the development, differentiation, and function of thymic epithelial cells (TECs) both in the prenatal and postnatal thymus. FOXN1 acts as a master regulator of the TECs lineage development and is required from the onset of differentiation in progenitor TECs in the developing fetus to the final differentiation steps through which TECs mature to acquire their full functionality.

## Storage

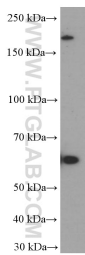
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

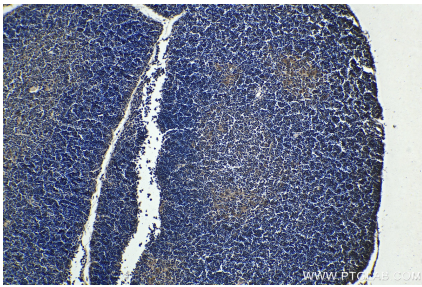
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

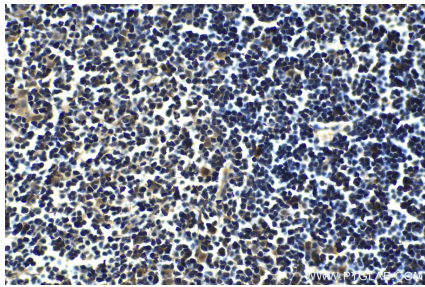
Selected Validation Data



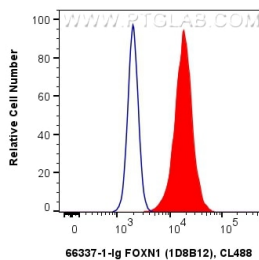
Raji cells were subjected to SDS PAGE followed by western blot with 66337-1-Ig (FOXN1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66337-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 66337-1-Ig (FOXN1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66337-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 66337-1-Ig (FOXN1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66337-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> A549 cells were intracellularly stained with 0.4 ug Anti-Human FOXN1 (66337-1-Ig, Clone:1D8B12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 66337-1-PBS in a different storage

