

For Research Use Only

FOXN1 Monoclonal antibody

Catalog Number: 66337-1-Ig



Basic Information

Catalog Number: 66337-1-Ig	GenBank Accession Number: BC146539	Purification Method: Protein G purification
Size: 150ul , Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8456	CloneNo.: 1D8B12
Source: Mouse	Full Name: forkhead box N1	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG1	Calculated MW: 648 aa, 69 kDa	
Immunogen Catalog Number: AG18207	Observed MW: 60 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : Raji cells, Jurkat cells
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

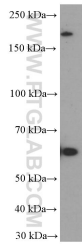
For technical support and original validation data for this product please contact:

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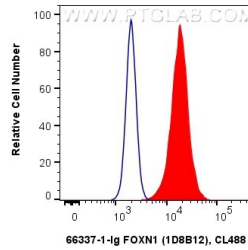
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Selected Validation Data



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.



1×10^6 A549 cells were intracellularly stained with 0.4 μ g 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 μ g 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.