

For Research Use Only

# FNTB Monoclonal antibody

Catalog Number: 66783-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 66783-1-Ig	<b>GenBank Accession Number:</b> BC020232	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1225 ug/ml	<b>GeneID (NCBI):</b> 2342	<b>CloneNo.:</b> 1F3B10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P49356	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> farnesyltransferase, CAAX box, beta	
<b>Immunogen Catalog Number:</b> AG27796	<b>Calculated MW:</b> 437 aa, 49 kDa	
	<b>Observed MW:</b> 44-45 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> NIH/3T3 cells, HEK-293 cells, HepG2 cells, HeLa cells, K-562 cells, 4T1 cells
	<b>IF/ICC :</b> A431 cells,

## Background Information

FNTB is the catalytic  $\beta$  subunit of farnesyltransferase which is an alpha/beta heterodimeric enzyme attaching a farnesyl group to a single cysteine in several cellular proteins like RAS and facilitating their translocation from the cytoplasm to the plasma membrane. Farnesyltransferase inhibitors have been developed as ant-tumor agents. FNTB is required for the homeostasis of skin keratinocytes.

## 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**

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

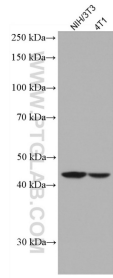
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

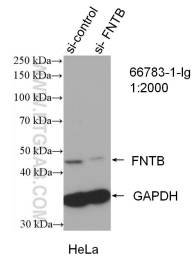
W: [ptgcn.com](http://ptgcn.com)

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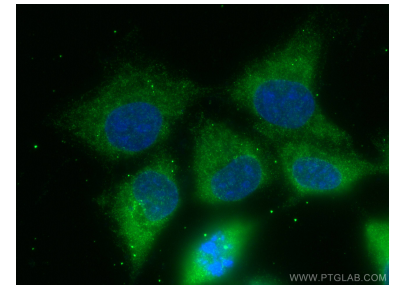
## Selected Validation Data



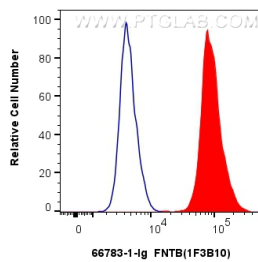
Various lysates were subjected to SDS PAGE followed by western blot with 66783-1-Ig (FNTB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of FNTB antibody (66783-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FNTB transfected HeLa cells.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using FNTB antibody (66783-1-Ig, Clone: 1F3B10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.8 ug FNTB Monoclonal antibody (66783-1-Ig, Clone:1F3B10) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).