

## Anti-FNTB Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 49 kDa. Actual: 48 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: Lymph node (Mouse) Lysate at 40 µg Primary: Anti-PGGT1B (TMAB-06099) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 48 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human FNTB
Antigen Species:	Human
Gene ID:	2342
Uniprot ID:	P49356

## Research Background

Mammalian protein farnesyl transferases are heterodimeric proteins containing two nonidentical Alpha and beta subunits that attach farnesyl residues to a cysteine at the fourth position from the COOH terminus of several proteins, including nuclear lamins and p21Ras proteins. The natural substrates contain the Cys-A-A-Xaa recognition sequence, where the A residues are aliphatic and Xaa represents methionine, serine, glutamine or cysteine. The purified farnesyl transferase is an a-b heterodimer. The beta subunit, which is known as FT beta, CAAX farnesyltransferase subunit beta, or Ras proteins prenyltransferase subunit beta, is a 437 amino acid protein that contains five PFTB repeats and binds the peptide substrate. The Alpha subunit is suspected to participate in formation of a stable complex with the substrate farnesyl pyrophosphate.

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