

## Product datasheet for **AP01497PU-S**

### CHURC1-FNTB Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	FT $\beta$ antibody detects endogenous levels of FT $\beta$ protein. (region surrounding Glu285)
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 50 kDa
Gene Name:	CHURC1-FNTB readthrough
Database Link:	<a href="#">Entrez Gene 100529261 Human P49356</a>



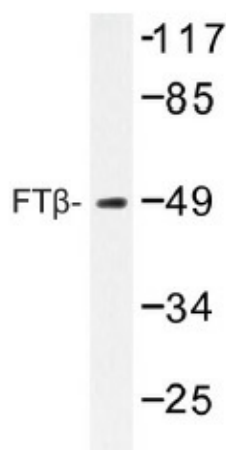
**Background:**

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  $\alpha$ - $\beta$  heterodimer. The  $\beta$  subunit binds the peptide substrate while the  $\alpha$  subunit is suspected to participate in formation of a stable complex with the substrate farnesyl pyrophosphate. The  $\alpha$  subunit is shared with a second prenyl transferase, geranyl-geranyl transferase, that attaches 20 carbon geranylgeranyl to Ras related proteins that terminate in a Cys-A-A-Xaa recognition site in which Xaa is leucine.

**Synonyms:**

FTase-beta, CAAX farnesyltransferase subunit beta

**Product images:**



Western blot (WB) analysis of FTβ antibody (Cat.-No.: [AP01497PU-N]) in extracts from RAW264.7 cells.