

Product datasheet for **AP12189PU-N**

CHURC1-FNTB (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human FNTB.
Specificity:	This antibody is specific to FNTB (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
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.
Gene Name:	CHURC1-FNTB readthrough
Database Link:	Entrez Gene 100529261 Human P49356



[View online »](#)

Background:

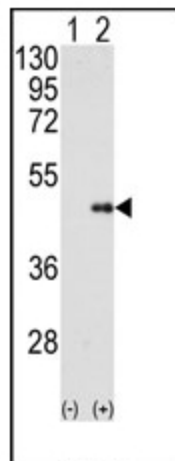
Eukaryotic cells contain 3 different types of prenyltransferases that attach either a farnesyl group (15 carbons) or a geranylgeranyl group (20 carbons) in thioether linkage to C-terminal cysteine residues in a variety of proteins. These posttranslational modifications provide a mechanism for membrane localization of proteins that lack a transmembrane domain. CAAX farnesyltransferase (FTase) attaches a farnesyl group from farnesyl pyrophosphate to cysteine residues at the fourth position from the C terminus of proteins that end in the CAAX box, where C is cysteine, A is usually but not always an aliphatic amino acid, and X is typically methionine or serine. This enzyme has the ability to farnesylate peptides as short as 4 residues in length that conform to the CAAX consensus sequence. The gene for the beta subunit of CAAX farnesyltransferase (FNTB) has been pinpointed to 14q23-q24 by Southern blot hybridization and PCR analyses of panels of human/Chinese hamster somatic cell hybrid lines and by fluorescence chromosomal in situ hybridization.

Synonyms:

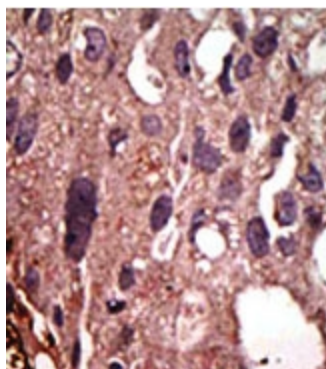
FTase-beta, CAAX farnesyltransferase subunit beta

Note:

Predicted Molecular weight: 58521 Da

Product images:


Western blot analysis of FNTB (arrow) using FNTB Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FNTB gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.