



[Go to Product page](#)

Datasheet for ABIN1403353  
**anti-FNTA antibody (Biotin)**

### Overview

Quantity:	100 µL
Target:	FNTA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNTA antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PGGT1A/FNTA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	FNTA
Alternative Name:	PGGT1A ( <a href="#">FNTA Products</a> )
Background:	Synonyms: CAAX farnesyltransferase alpha subunit, Farnesyl protein transferase alpha subunit, Farnesyltransferase CAAX box alpha, Farnesyltransferase, CAAX box, alpha, FPTA, FTase alpha, GGTase I alpha, PGGT1A, Protein farnesyltransferase/geranylgeranyltransferase type I alpha subunit, Protein prenyltransferase alpha subunit repeat containing 2, PTAR2, Ras proteins

## Target Details

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prenyltransferase alpha, Ras proteins prenyltransferase subunit alpha, Type I protein geranyl geranyltransferase alpha subunit, FNTA\_HUMAN.

Background: FNTA, also known as 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 so-called CAAX box, where C is cysteine, A is usually but not always an aliphatic amino acid, and X is typically methionine or serine. This type of posttranslational modification provides a mechanism for membrane localization of proteins that lack a transmembrane domain. This enzyme has the remarkable property of farnesylating peptides as short as four residues in length that conform to the CAAX consensus sequence. FNTA is also a specific cytoplasmic interactor of the transforming growth factor-beta and activin type I receptors. It is likely to be a key component of the signaling pathway which involves p21ras, an important substrate for farnesyltransferase.

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Gene ID: 2339

Pathways: [Response to Water Deprivation, Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months