Datasheet for ABIN5008722

anti-FNTA antibody (Alexa Fluor 750)

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Overview

Quantity:	100 µL
Target:	FNTA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNTA antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (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 (FNTA Products)
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

	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.
Gene ID:	2339
Pathways:	Response to Water Deprivation, Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months