

Rabbit FNTA Polyclonal Antibody | anti-FNTA antibody

FNTA Antibody (C-term)

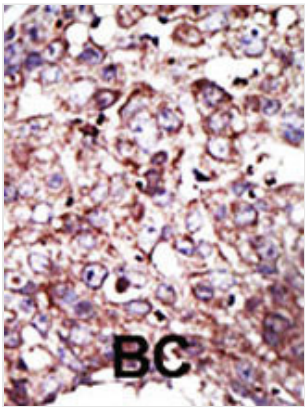
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286865	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

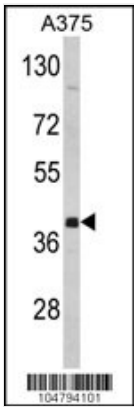
FNTA; Polyclonal Antibody; FNTA Antibody (C-term); Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha; CAAX farnesyltransferase subunit alpha; FTase-alpha; Ras proteins prenyltransferase subunit alpha; Type I protein geranyl-geranyltransferase subunit alpha; GGTase-I-alpha; anti-FNTA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FNTA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 330-360 amino acids from the C-terminal region of human FNTA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	330-360
Sequence Length	379
Applicable Applications for anti-FNTA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
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. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of hFNTA-A345 in A375 cell line lysates (35ug/lane). FNTA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-FNTA antibody	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.
Product Categories/Family for anti-FNTA antibody	Cell Biology; Signal transduction
References	Wang, T., et al., Science 271(5252):1120-1122 (1996). Zhang, F.L., et al., J. Biol. Chem. 269(5):3175-3180 (1994). Andres, D.A., et al., Genomics 18(1):105-112 (1993). Omer, C.A., et al., Biochemistry 32(19):5167-5176 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503771
NCBI GeneID	2339
NCBI Accession #	NP_002018.1
NCBI GenBank Nucleotide #	NM_002027.2
UniProt Accession #	P49354; Q53XJ9; Q9UDC1; A6NJW0; AAB26814
Molecular Weight	44409
NCBI Official Full Name	protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha
NCBI Official Synonym Full Names	farnesyltransferase, CAAX box, alpha
NCBI Official Symbol	FNTA
NCBI Official Synonym Symbols	FPTA; PTAR2; PGGT1A
NCBI Protein Information	protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha

UniProt Protein Name	Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha
UniProt Gene Name	FNTA
UniProt Synonym Gene Names	GGTase-I-alpha
UniProt Entry Name	FNTA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/fnta-antibody-immunohistochemistry-western-blot-elisa/286865>