

Product Name: KD-Validated FNTA Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00338**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 44.4kDa

Antigen Information

Gene Name	FNTA FNTA; Farnesyltransferase, CAAX Box, Subunit Alpha; Protein Farnesyltransferase/Geranylgeranyltransferase Type-1 Subunit Alpha; PGGT1A; PTAR2; FPTA; Protein Prenyltransferase Alpha Subunit Repeat Containing 2; Ras Proteins
Alternative Names	Prenyltransferase Subunit Alpha; Farnesyltransferase, CAAX Box, Alpha; GGTase-I-Alpha; FTase-Alpha; Type I Protein Geranyl-Geranyltransferase Alpha Subunit; Type I Protein Geranyl-Geranyltransferase Subunit Alpha; Farnesyl-Protein Transferase Alpha-Subunit; CAAX Farnesyltransferase Subunit Alpha; EC 2.5.1.58; EC 2.5.1.59
Gene ID	2339.0
SwissProt ID	P49354
Immunogen	A synthesized peptide derived from human FNTA

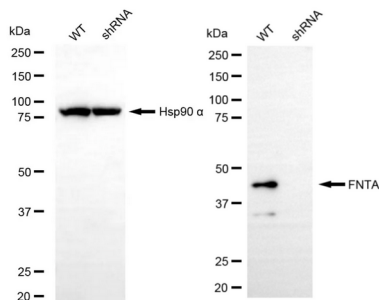
Background

Prenyltransferases can attach either a farnesyl group or a geranylgeranyl group in thioether linkage to the cysteine residue of proteins with a C-terminal CAAX box. CAAX geranylgeranyltransferase and CAAX farnesyltransferase are heterodimers that share the same alpha subunit but have different beta subunits. This gene encodes the alpha subunit of these transferases. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 11 and 13. [provided by RefSeq, May 2010]

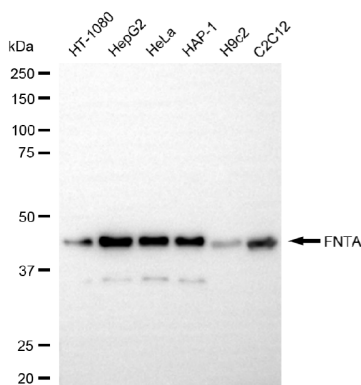
Research Area

Signal Transduction, Cell Biology

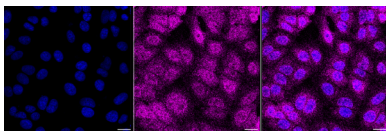
Image Data



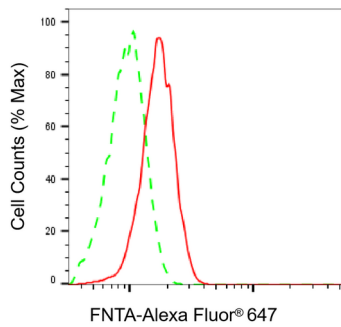
Western blotting analysis using FNTA antibody (KVA00338). FNTA expression in wild-type (WT) and FNTA shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FNTA antibody (KVA00338, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using FNTA antibody (KVA00338). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FNTA antibody (KVA00338, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with FNTA antibody (KVA00338, 1:1,000). Nuclei were stained blue with DAPI; FNTA was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of FNTA expression in HepG2 cells using FNTA antibody (KVA00338, 1:2,000). Green, isotype control; red, FNTA.