

## **KD-Validated Anti-FNTA Rabbit Monoclonal Antibody**

Rabbit monoclonal antibody Catalog # AGI2253

# **Specification**

## **KD-Validated Anti-FNTA Rabbit Monoclonal Antibody - Product Information**

Application WB
Primary Accession P49354

Reactivity
Clonality
Monoclonal
Isotype
Rat, Human, Mouse
Monoclonal
Rabbit IgG

Calculated MW Predicted, 44 kDa; observed, 44 kDa KDa

Gene Name FN1

Aliases

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

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 A synthesized peptide derived from human

**FNTA** 

Immunogen

### KD-Validated Anti-FNTA Rabbit Monoclonal Antibody - Additional Information

Gene ID 2339

**Other Names** 

Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha, 2.5.1.58, 2.5.1.59, CAAX farnesyltransferase subunit alpha, FTase-alpha, Ras proteins prenyltransferase subunit alpha, Type I protein geranyl-geranyltransferase subunit alpha, GGTase-I-alpha, FNTA

# **KD-Validated Anti-FNTA Rabbit Monoclonal Antibody - Protein Information**

## Name FNTA

#### **Function**

Essential subunit of both the farnesyltransferase and the geranylgeranyltransferase complex. Contributes to the transfer of a farnesyl or geranylgeranyl moiety from farnesyl or geranylgeranyl diphosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic- aliphatic-X. May positively regulate neuromuscular junction



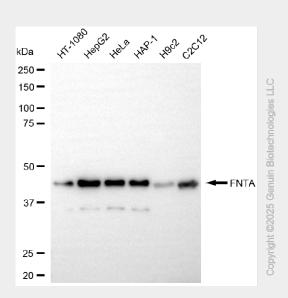
development downstream of MUSK via its function in RAC1 prenylation and activation.

## **KD-Validated Anti-FNTA Rabbit Monoclonal Antibody - Protocols**

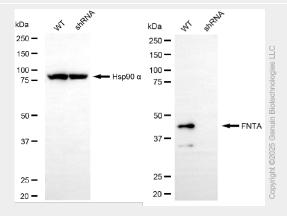
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **KD-Validated Anti-FNTA Rabbit Monoclonal Antibody - Images**



Western blotting analysis using anti-FNTA antibody (Cat#AGI2253). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-FNTA antibody (Cat#AGI2253, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-FNTA antibody (Cat#AGI2253). FNTA expression in wild-type (WT) and FNTA shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves





as a loading control. The blot was incubated with anti-FNTA antibody (Cat#AGI2253, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.