# FMNL3 (S-16): sc-66770



The Power to Question

#### **BACKGROUND**

Formins are a conserved class of proteins expressed in all eukaryotes, with known roles in generating cellular Actin-based structures. Formin-related proteins have been implicated in morphogenesis, cytokinesis and cell polarity. FMNL3 (formin-like 3), whose alternative names include formin homology 2 domain-containing protein 3, WW domain-binding protein 3, WBP3, FHOD3, FLJ45265, DKFZp762B245 and MGC45819, is a 1,028 amino acid protein that belongs to the formin homology family. FMNL3 contains one FH2 (formin homology 2) domain, as well as a GBD/FH3 (Rho GTPase-binding/formin homology 3) domain. Three FMNL3 isoforms are known to exist as a result of alternative splicing events, and the gene encoding FMNL3 maps to human chromosome 12q13.12.

# **REFERENCES**

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## **CHROMOSOMAL LOCATION**

Genetic locus: FMNL3 (human) mapping to 12q13.12; Fmnl3 (mouse) mapping to 15  $\rm F1$ .

## **SOURCE**

FMNL3 (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FMNL3 of human origin.

## **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-66770 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **STORAGE**

Store at  $4^{\circ}$  C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

#### **APPLICATIONS**

FMNL3 (S-16) is recommended for detection of FMNL3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

FMNL3 (S-16) is also recommended for detection of FMNL3 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FMNL3 siRNA (h): sc-62329, FMNL3 siRNA (m): sc-62330, FMNL3 shRNA Plasmid (h): sc-62329-SH, FMNL3 shRNA Plasmid (m): sc-62330-SH, FMNL3 shRNA (h) Lentiviral Particles: sc-62329-V and FMNL3 shRNA (m) Lentiviral Particles: sc-62330-V.

Molecular Weight of FMNL3: 117 kDa.

## **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

#### **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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