

FIGN Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16768B**Specification**

FIGN Antibody (C-term) - Product Information

| | |
|-------------------|---|
| Application | WB,E |
| Primary Accession | Q5HY92 |
| Other Accession | Q9ERZ6 , Q503S1 , NP_060556.2 |
| Reactivity | Human, Mouse |
| Predicted | Zebrafish |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 82146 |
| Antigen Region | 615-643 |

FIGN Antibody (C-term) - Additional Information**Gene ID** 55137**Other Names**

Fidgetin, FIGN

Target/Specificity

This FIGN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 615-643 amino acids from the C-terminal region of human FIGN.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FIGN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FIGN Antibody (C-term) - Protein Information**Name** FIGN**Function** ATP-dependent microtubule severing protein. Severs microtubules along their length

and depolymerizes their ends, primarily the minus-end, that may lead to the suppression of microtubule growth from and attachment to centrosomes. Microtubule severing may promote rapid reorganization of cellular microtubule arrays and the release of microtubules from the centrosome following nucleation. Microtubule release from the mitotic spindle poles may allow depolymerization of the microtubule end proximal to the spindle pole, leading to poleward microtubule flux and poleward motion of chromosome.

Cellular Location

Nucleus matrix. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.

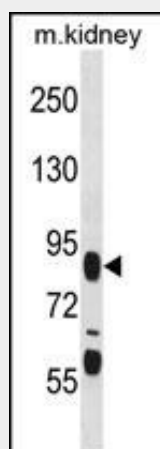
Note=Localizes to centrosomes throughout mitosis and to the spindle midzone during telophase

FIGN Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FIGN Antibody (C-term) - Images



FIGN Antibody (C-term) (Cat. #AP16768b) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the FIGN antibody detected the FIGN protein (arrow).

FIGN Antibody (C-term) - Background

Fidgetin is a member of the 'meiotic' or subfamily-7 group of ATPases associated with diverse cellular activities (AAA proteins). Fidgetin can interact with itself and this interaction can be abolished by truncating either the N- or C-terminus of the protein. AAA proteins are molecular chaperones that facilitate membrane fusion, proteolysis, peroxisome biogenesis, endosome sorting and meiotic spindle formation.

FIGN Antibody (C-term) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :

Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Alkelai, A., et al. Psychopharmacology (Berl.) 206(3):491-499(2009)
Trynka, G., et al. Gut 58(8):1078-1083(2009)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)