

FIGN Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16768b**Specification**

FIGN Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q5HY92](#)**FIGN Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 55137**Other Names**

Fidgetin, FIGN

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FIGN Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FIGN Antibody (C-term) Blocking Peptide - Images**FIGN Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)