

KATL1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10229a**Specification**

KATL1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O9BW62](#)
Other Accession [NP_115492.1](#), [NP_001014402.1](#)

KATL1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 84056

Other Names

Katanin p60 ATPase-containing subunit A-like 1 {ECO:0000255|HAMAP-Rule:MF_03024}, Katanin p60 subunit A-like 1 {ECO:0000255|HAMAP-Rule:MF_03024}, 3643 {ECO:0000255|HAMAP-Rule:MF_03024}, p60 katanin-like 1 {ECO:0000255|HAMAP-Rule:MF_03024}, KATNAL1 {ECO:0000255|HAMAP-Rule:MF_03024}

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.

KATL1 Antibody (N-term) Blocking peptide - Protein Information

Name KATNAL1 {ECO:0000255|HAMAP-Rule:MF_03024}

Function

Regulates microtubule dynamics in Sertoli cells, a process that is essential for spermiogenesis and male fertility. Severs microtubules in an ATP-dependent manner, promoting rapid reorganization of cellular microtubule arrays (By similarity). Has microtubule-severing activity in vitro (PubMed:26929214).

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000255|HAMAP-Rule:MF_03024, ECO:0000269|PubMed:22654668}. Cytoplasm. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with microtubules throughout the basal and adluminal compartments of Sertoli cells (By similarity). Localizes within the cytoplasm, partially overlapping with microtubules, in interphase and to the mitotic spindle and spindle poles during mitosis (PubMed:26929214). {ECO:0000250|UniProtKB:Q8K0T4, ECO:0000269|PubMed:26929214}

Tissue Location

Expressed in testis, restricted to Sertoli cells (at protein level).

KATL1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KATL1 Antibody (N-term) Blocking peptide - Images

KATL1 Antibody (N-term) Blocking peptide - References

Dunham, A., et al. Nature 428(6982):522-528(2004) Millar, J.K., et al. Biochem. Biophys. Res. Commun. 311(4):1019-1025(2003) Robertson, N.G., et al. Genomics 23(1):42-50(1994)