

**EMAL3 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12420b****Specification**

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**EMAL3 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q32P44](#)**EMAL3 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 256364**Other Names**

Echinoderm microtubule-associated protein-like 3, EMAP-3, EML3

**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.

**EMAL3 Antibody (C-term) Blocking peptide - Protein Information****Name** EML3**Function**

Regulates mitotic spindle assembly, microtubule (MT)- kinetochore attachment and chromosome separation via recruitment of HAUS augmin-like complex and TUBG1 to the existing MTs and promoting MT-based MT nucleation (PubMed:&lt;a href="http://www.uniprot.org/citations/30723163" target="\_blank"&gt;30723163&lt;/a&gt;). Required for proper alignment of chromosomes during metaphase (PubMed:&lt;a href="http://www.uniprot.org/citations/18445686" target="\_blank"&gt;18445686&lt;/a&gt;).

**Cellular Location**

Cytoplasm, cytoskeleton {ECO:0000269|PubMed:18445686, ECO:0000305}. Cytoplasm. Nucleus Midbody. Cytoplasm, cytoskeleton, spindle Note=Localizes to microtubules throughout all mitotic stages and localizes to the midbody during cytokinesis

**EMAL3 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **EMAL3 Antibody (C-term) Blocking peptide - Images**

#### **EMAL3 Antibody (C-term) Blocking peptide - Background**

EMAL3 may modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic (By similarity).

#### **EMAL3 Antibody (C-term) Blocking peptide - References**

Tegha-Dunghu, J., et al. J. Cell. Sci. 121 (PT 10), 1718-1726 (2008) :Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Jin, J., et al. Curr. Biol. 14(16):1436-1450(2004)O'Connor, V., et al. Gene 336(1):127-137(2004)Pozuelo Rubio, M., et al. Biochem. J. 379 (PT 2), 395-408 (2004) :