

**TUBB8 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13248a****Specification**

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**TUBB8 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q3ZCM7](#)**TUBB8 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 347688**Other Names**

Tubulin beta-8 chain, TUBB8

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13248a was selected from the N-term region of TUBB8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**TUBB8 Antibody (N-term) Blocking peptide - Protein Information****Name** TUBB8 ([HGNC:20773](#))**Function**

Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin. TUBB8 has a key role in meiotic spindle assembly and oocyte maturation (PubMed:<a href="http://www.uniprot.org/citations/26789871" target="\_blank">26789871</a>, PubMed:<a href="http://www.uniprot.org/citations/34509376" target="\_blank">34509376</a>).

**Cellular Location**

Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle

**Tissue Location**

Expressed at a high level in oocytes, at different stages of development.

**TUBB8 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**TUBB8 Antibody (N-term) Blocking peptide - Images****TUBB8 Antibody (N-term) Blocking peptide - Background**

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain (By similarity).

**TUBB8 Antibody (N-term) Blocking peptide - References**

van Geel, M., et al. Am. J. Hum. Genet. 70(1):269-278(2002)van Geel, M., et al. Cytogenet. Cell Genet. 88 (3-4), 316-321 (2000) :