

# TUBB8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP13248a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q3ZCM7</a>
<b>Other Accession</b>	<a href="#">NP_817124.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB33120
<b>Calculated MW</b>	49776
<b>Antigen Region</b>	34-62

## Additional Information

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<b>Gene ID</b>	347688
<b>Other Names</b>	Tubulin beta-8 chain, TUBB8
<b>Target/Specificity</b>	This TUBB8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-62 amino acids from the N-terminal region of human TUBB8.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	TUBB8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TUBB8 ( <a href="#">HGNC:20773</a> )
<b>Function</b>	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:[26789871](#), PubMed:[34509376](#)).

#### Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle

#### Tissue Location

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

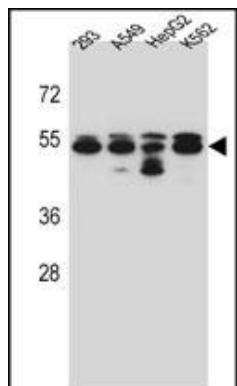
## Background

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).

## 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) :

## Images



TUBB8 Antibody (N-term) (Cat. #AP13248a) western blot analysis in 293,A549,HepG2,K562 cell line lysates (35ug/lane).This demonstrates the TUBB8 antibody detected the TUBB8 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.