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## anti-TUBB3 antibody (AA 36-63)





**Publications** 



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Overview		
Quantity:	400 μL	
Target:	TUBB3	
Binding Specificity:	AA 36-63	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TUBB3 antibody is un-conjugated	
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	This TUBB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-63 amino acids of human TUBB3.	
Clone:	RB21098	
Isotype:	IgG	
Predicted Reactivity:	B, Pr, Rat, C	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	TUBB3	

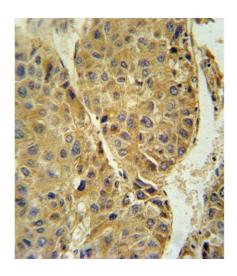
### **Target Details**

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Alternative Name:	TUBB3 (TUBB3 Products)	
Background:	Beta III tubulin is abundant in the central and peripheral nervous systems (CNS and PNS) where it is prominently expressed during fetal and postnatal development. As exemplified in cerebella and sympathoadrenal neurogenesis, the distribution of beta III is neuron-associated, exhibiting distinct temporospatial gradients according to the regional neuroepithelia of origin. However, transient expression of this protein is also present in the subventricular zones of the CNS comprising putative neuronal- and/or glial precursor cells, as well as in Kulchitsky neuroendocrine cells of the fetal respiratory epithelium. This temporally restricted, potentially non-neuronal expression may have implications in the identification of presumptive neurons derived from embryonic stem cells.	
Molecular Weight:	50433	
Gene ID:	10381	
NCBI Accession:	NP_001184110, NP_006077	
UniProt:	Q13509	
Pathways:	Microtubule Dynamics, M Phase	
Application Details		
Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	

Product cited in:

Gehrke, Wörns, Huber, Hess, Straub, Hövelmeyer, Waisman, Kim, Schuppan, Galle, Schattenberg: "Hepatic B cell leukemia-3 promotes hepatic steatosis and inflammation through insulinsensitive metabolic transcription factors." in: **Journal of hepatology**, Vol. 65, Issue 6, pp. 1188-1197, (2018) (PubMed).

#### **Images**



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** TUBB3 Antibody (N-term) (ABIN651938 and ABIN2840464) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TUBB3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

36

28

#### **Western Blotting**

**Image 2.** TUBB3 Antibody (N-term) (ABIN651938 and ABIN2840464) western blot analysis in mouse brain tissue lysates (15  $\mu$ g/lane). This demonstrates the TUBB3 antibody detected the TUBB3 protein (arrow).

130 95 72 55	- 4
36	
28	

#### **Western Blotting**

**Image 3.** TUBB3 Antibody (N-term) (ABIN651938 and ABIN2840464) western blot analysis in HepG2 cell line lysates (15  $\mu$ g/lane). This demonstrates the TUBB3 antibody detected the TUBB3 protein (arrow).

Please check the product details page for more images. Overall 5 images are available for ABIN651938.