DATASHEET

Beta III Tubulin Rabbit Monoclonal Antibody(ARA6335)

CAT. NO. ARA6335

KEY FEATURES

Target:	Beta III Tubulin	**Clone ID:**	ARA6335
Source/Host:	Rabbit	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

Tubulin beta-3 chain (class III beta-tubulin, beta III tubulin) is a microtubule element of the tubulin family encoded by the TUBB3 gene. It is expressed almost exclusively in neurons and in testis cells, and is one of the seven beta-tubulin isotypes identified in the human genome. Class III beta-tubulin is used as an early biomarker of neural differentiation of multipotent progenitors, and TUBB3 inactivation impairs neural progenitor proliferation. Post-translational modifications including phosphorylation and glycosylation are required for its functional activity, and congenital neurologic syndromes associated with TUBB3 missense mutations demonstrate its critical importance for normal neural development. In diagnostic immunohistochemistry, beta III tubulin serves as a neuronal marker for the characterization of neuroectodermal and nerve sheath lesions.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:500-1:2000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Recombinant rabbit monoclonal antibody to Beta III Tubulin
Antibody Type	Primary antibody,Recombinant
Immunogen	Synthetic peptide within mouse Beta III Tubulin aa 401-450.
Purification	Protein A affinity purified.
Molecular Weight	Predicted: 50 kD; Observed: 50 kD
Isotype	IgG
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	TUBB3; TUBB4; beta-3 tubulin; class III beta-tubulin
Gene Symbol	TUBB3
Entrez Gene	10381(Human)
SwissProt	Q13509(Human); Q9ERD7(Mouse); Q4QRB4(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

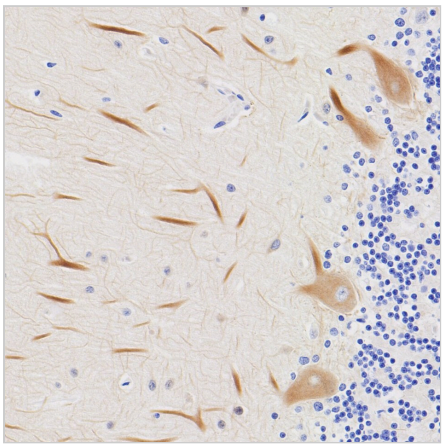
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Immunohistochemical analysis of paraffin-embedded human cerebellum tissue with Beta III Tubulin Rabbit Monoclonal Antibody(ARA6335).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com