

A18132

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[KD Validated] β III-Tubulin Mouse mAb

Catalog No.: A18132 **4 Publications**

Basic Information

Observed MW

Calculated MW
50kDa

Category

Mouse Monoclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

AMC0115

Background

This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
10381	Q13509

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 40-260 of human TUBB3 (Q13509).

Synonyms

CDCBM; FEOM3; TUBB4; CDCBM1; CFEOM3; beta-4; CFEOM3A; [KD Validated] β III-Tubulin

Contact



www.abclonal.com

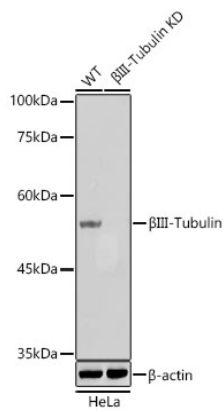
Product Information

Source	Isotype	Purification
Mouse	IgG2b, kappa	Affinity purification

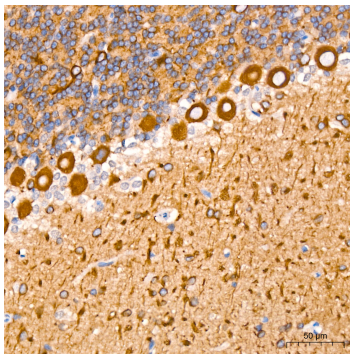
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

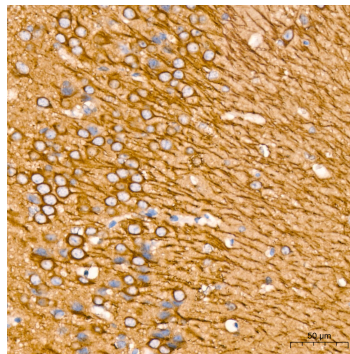
Validation Data



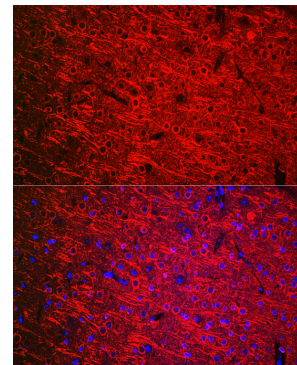
Western blot analysis of lysates from wild type (WT) and β III-Tubulin knockdown (KD) HeLa cells, using [KD Validated] β III-Tubulin Mouse mAb (A18132) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry analysis of β III-Tubulin in paraffin-embedded rat brain tissue using [KD Validated] β III-Tubulin Mouse mAb (A18132) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of β III-Tubulin in paraffin-embedded mouse brain tissue using [KD Validated] β III-Tubulin Mouse mAb (A18132) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded mouse brain using [KO Validated] β III-Tubulin Mouse mAb (A18132) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.