

βIII-Tubulin Mouse mAb

Catalog No.: A18132 **8 Publications**

Basic Information

Observed MW

Refer to figures

Calculated MW

50kDa

Category

Primary antibody

Applications

IF-F,IF-P,IHC-P,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

IF-F 1:200 - 1:2000

IF-P 1:50 - 1:200

IHC-P 1:1000 - 1:10000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

10381

Swiss Prot

Q13509

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Contact

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Product Information

Source

Mouse

Isotype

IgG2b,kappa

Purification

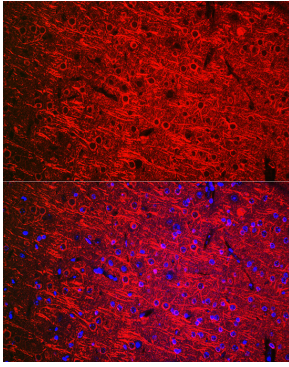
Affinity purification

Storage

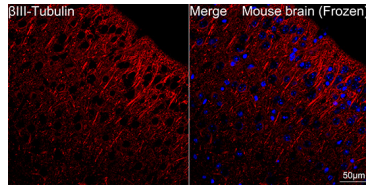
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

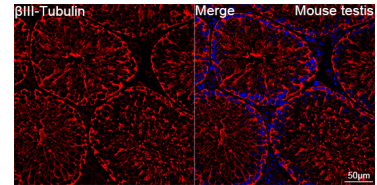
Validation Data



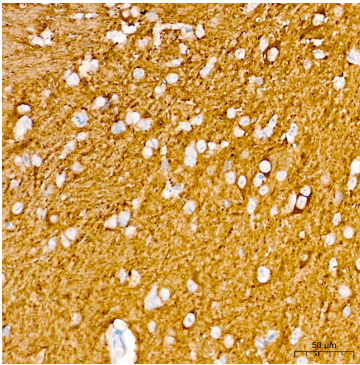
Immunofluorescence analysis of paraffin-embedded mouse brain using β III-Tubulin Mouse mAb (A18132) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



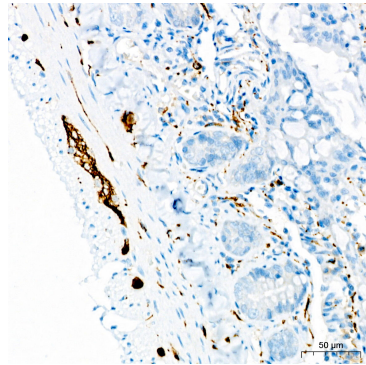
Confocal imaging of frozen sections of Mouse brain tissue using β III-Tubulin Mouse mAb (A18132, dilution 1:500) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



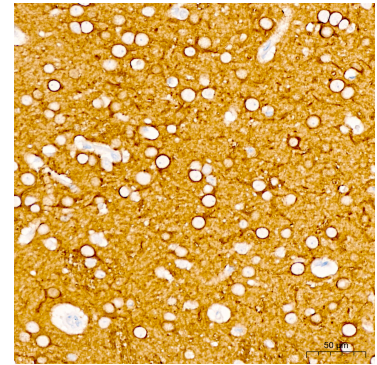
Confocal imaging of paraffin-embedded Mouse testis tissue using β III-Tubulin Mouse mAb (A18132, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



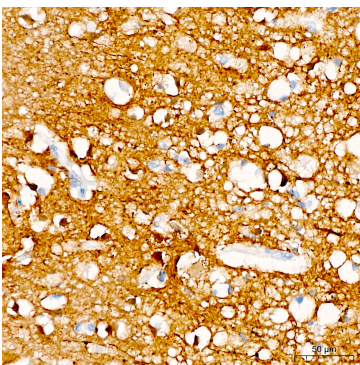
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using β III-Tubulin Mouse mAb (A18132) at a dilution of 1:4500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using β III-Tubulin Mouse mAb (A18132) at a dilution of 1:4500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using β III-Tubulin Mouse mAb (A18132) at a dilution of 1:4500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using β III-Tubulin Mouse mAb (A18132) at a dilution of 1:4500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.