

# [KD Validated] $\beta$ III-Tubulin Mouse mAb

Catalog No.: A18132 **4 Publications**

## Basic Information

### Observed MW

### Calculated MW

50kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### 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

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

## Immunogen Information

### Gene ID

10381

### Swiss Prot

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]  $\beta$ III-Tubulin

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgG2b,kappa

### Purification

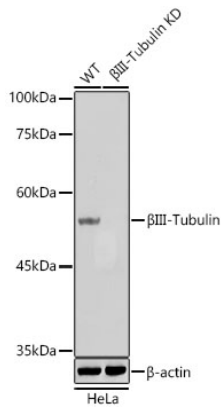
Affinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and  $\beta$ III-Tubulin knockdown (KD) HeLa cells, using [KD Validated]  $\beta$ III-Tubulin Mouse mAb (A18132) at 1:1000 dilution.

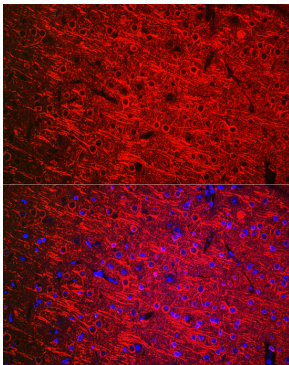
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

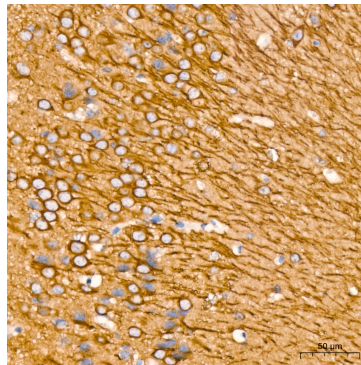
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

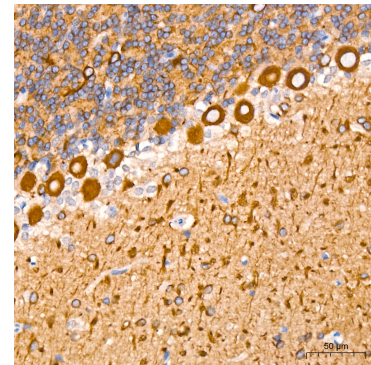
Exposure time: 1s.



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



Immunohistochemistry analysis of  $\beta$ III-Tubulin in paraffin-embedded mouse brain tissue using [KD Validated]  $\beta$ 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  $\beta$ III-Tubulin in paraffin-embedded rat brain tissue using [KD Validated]  $\beta$ 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.