

βIII-Tubulin Rabbit mAb

Catalog NO.: A24067 **KO Validated** **Recombinant**

Basic Information

Observed MW

55kDa

Calculated MW

50kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse

Conjugation

Unconjugated

Clone number

ARC63789

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 1:3000 - 1:20000

IP

0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

IF-P 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA

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

Contact

Immunogen Information

Gene ID

10381

Swiss Prot

Q13509

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CDCBM; FEOM3; TUBB4; CDCBM1; CFEOM3; beta-4; CFEOM3A; in

Product Information

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☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data

Western blot analysis of lysates from wild type (WT) and β III-Tubulin knockout (KO) HeLa cells using [KO Validated] β III-Tubulin Rabbit mAb (A24067) at 1:3000 dilution.

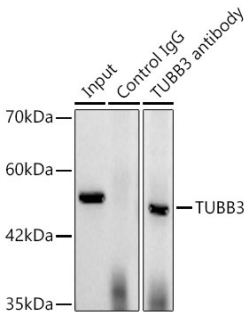
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

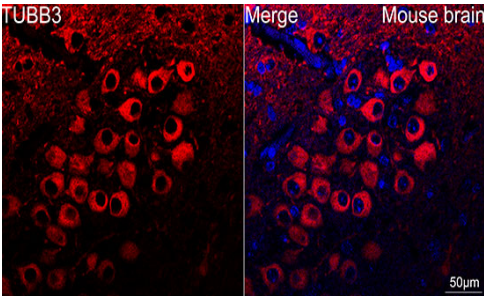
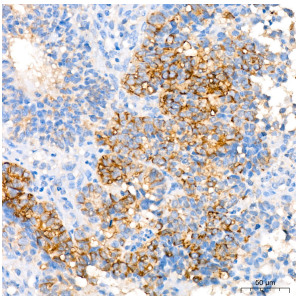
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time:20s.



Immunoprecipitation of β III-Tubulin in 300 μ g extracts from HeLa cells using 3 μ g [KO Validated] β III-Tubulin Rabbit mAb (A24067). Western blot analysis was performed using [KO Validated] β III-Tubulin Rabbit mAb (A24067) at 1:3000 dilution.



Immunohistochemistry analysis of paraffin-embedded Human endometrium cancer tissue using [KO Validated] β III-Tubulin Rabbit mAb (A24067) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Confocal imaging of paraffin-embedded mouse brain using [KO Validated] β III-Tubulin Rabbit mAb (A24067,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.