

## Mouse beta-Tubulin Monoclonal Antibody | anti-TUBB3 antibody

Anti-beta-Tubulin Mouse Monoclonal Antibody (3G6)

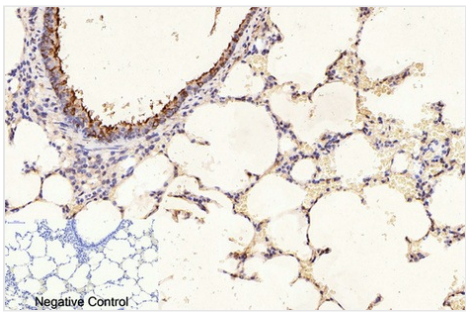
| CATALOG # | HOST  | REACTIVITY                                                                     | APPLICATIONS                                           |
|-----------|-------|--------------------------------------------------------------------------------|--------------------------------------------------------|
| AAA31540  | Mouse | Human, Mouse, Rat, Monkey, Dog, Chicken, Rabbit, Sheep, Insect, Yeast, Hamster | Western Blot, Immunohistochemistry, Immunofluorescence |

### PRODUCT SYNONYMS

beta-Tubulin; Monoclonal Antibody; Anti-beta-Tubulin Mouse Monoclonal Antibody (3G6); TUBB3; TUBB4; Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III; anti-TUBB3 antibody

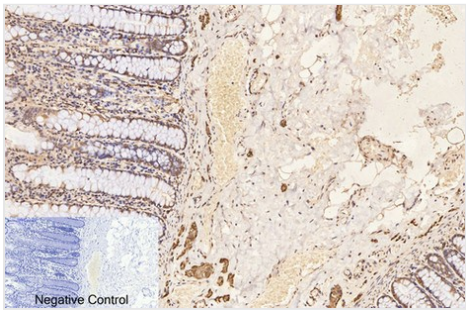
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat, Monkey, Dog, Chicken, Rabbit, Sheep, Insect, Yeast, Hamster                                                                                                                                                                             |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                 |
| Isotype                                         | Mouse IgG1                                                                                                                                                                                                                                                 |
| Purity/Purification                             | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen                                                                                                                                                  |
| Form/Format                                     | Liquid in PBS, pH7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.                                                                                                                                                                      |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                                                                                                                     |
| Applicable Applications for anti-TUBB3 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)                                                                                                                                                                                     |
| Application Notes                               | WB: 1:10000<br>IHC-P: 1:400<br>IF: 1:400                                                                                                                                                                                                                   |
| Tag                                             | TUBB3                                                                                                                                                                                                                                                      |
| Observed Band (KD)                              | 55                                                                                                                                                                                                                                                         |
| Immunogen                                       | Synthetic Peptide                                                                                                                                                                                                                                          |
| Preparation and Storage                         | Stable for one year at -20 degree C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.<br>Shipping  Gel pack with blue ice. |



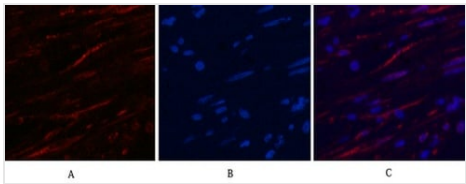
IHC (Immunohistochemistry)

Fig.6. Immunohistochemical analysis of paraffin-embedded rat lung tissue. 1, beta-Tubulin Monoclonal Antibody (3G6) was diluted at 1:400 (4°C, overnight). Negative control was used by secondary antibody only.



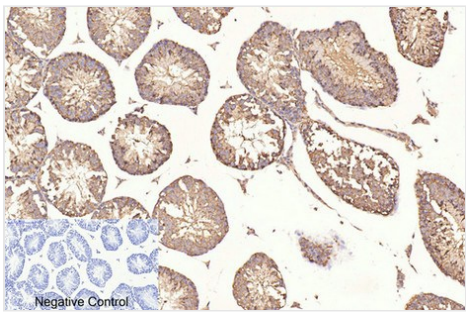
IHC (Immunohistochemistry)

Fig.4. Immunohistochemical analysis of paraffin-embedded human colon tissue. 1, beta-Tubulin Monoclonal Antibody (3G6) was diluted at 1:400 (4°C, overnight). Negative control was used by secondary antibody only.



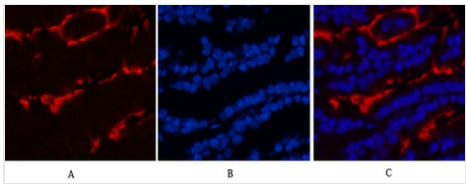
IF (Immunofluorescence)

Fig.2. Immunofluorescence analysis of human appendix tissue. 1, beta-Tubulin Monoclonal Antibody (3G6) (red) was diluted at 1:400 (4°C, overnight). Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



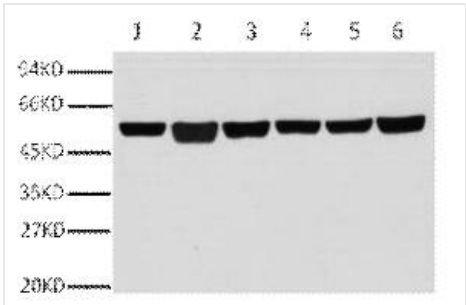
IHC (Immunohistochemistry)

Fig.5. Immunohistochemical analysis of paraffin-embedded mouse testis tissue. 1, beta-Tubulin Monoclonal Antibody (3G6) was diluted at 1:400 (4°C, overnight). Negative control was used by secondary antibody only.



IF (Immunofluorescence)

Fig.3. Immunofluorescence analysis of mouse lung tissue. 1, beta-Tubulin Monoclonal Antibody (3G6) (red) was diluted at 1:400 (4°C, overnight). Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



WB (Western Blot)

Fig.1. Western blot analysis of A549(1), rat brain (2), mouse brain (3), chicken lung (4) and rabbit testis(5), sheep muscle(6), diluted at 1:10000.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TUBB3 antibody | <p>Description: Featured Anti-beta-Tubulin Mouse Monoclonal Antibody (3G6), specially designed for your immunoassay as internal control or location staining.</p> <p>Background: Tubulin is one of several members of a small family of globular proteins. The most common members of the tubulin family are alpha-tubulin and beta-tubulin, the proteins that make up microtubules. Each has a molecular weight of approximately 55kDa. Antibodies against beta-Tubulin are useful as loading controls for Western Blotting. However it should be noted that levels of beta-Tubulin may not be stable in certain cells, such as adipose tissue.</p> |
| Product Categories/Family for anti-TUBB3 antibody   | <p>Loading Antibody; Protein Detection Antibody; Protein</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|           |           |
|-----------|-----------|
| NCBI GI # | 308235963 |
|-----------|-----------|

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GeneID                      | 10381                                                                                |
| NCBI Accession #                 | NP_001184110.1                                                                       |
| NCBI GenBank Nucleotide #        | NM_001197181.1                                                                       |
| UniProt Accession #              | Q13509; Q9BTZ0; Q9BW10                                                               |
| Molecular Weight                 | 50,433 Da                                                                            |
| NCBI Official Full Name          | tubulin beta-3 chain isoform 2                                                       |
| NCBI Official Synonym Full Names | tubulin, beta 3 class III                                                            |
| NCBI Official Symbol             | TUBB3                                                                                |
| NCBI Official Synonym Symbols    | CDCBM; TUBB4; beta-4; CFEOM3A                                                        |
| NCBI Protein Information         | tubulin beta-3 chain; tubulin beta-III; tubulin beta-4 chain; class III beta-tubulin |
| UniProt Protein Name             | Tubulin beta-3 chain                                                                 |
| UniProt Gene Name                | <b>TUBB3</b>                                                                         |
| UniProt Synonym Gene Names       | TUBB4                                                                                |
| UniProt Entry Name               | TBB3_HUMAN                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-tubulin-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/31540>