

## Product datasheet for **TA502985AM**

### beta IV Tubulin (TUBB4A) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3F1]

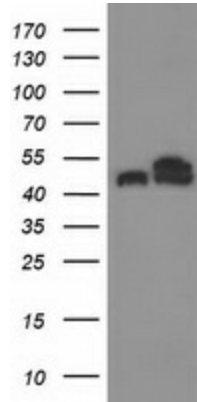
#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI3F1   |
| Applications:           | FC, IF, IHC, WB  |
| Recommended Dilution:   | WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100   |
| Reactivity:             | Human, Dog, Rat, Monkey, Mouse   |
| Host:                   | Mouse  |
| Isotype:                | IgG2a  |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human TUBB4 (NP_006078) produced in HEK293T cell.   |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 0.5 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Biotin   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 49.4 kDa   |
| Gene Name:              | tubulin beta 4A class IVa  |
| Database Link:          | <a href="#">NP_006078</a><br><a href="#">Entrez Gene 22153 Mouse</a> <a href="#">Entrez Gene 29213 Rat</a> <a href="#">Entrez Gene 100855815 Dog</a> <a href="#">Entrez Gene 703019 Monkey</a> <a href="#">Entrez Gene 10382 Human</a><br><a href="#">P04350</a> |
| Synonyms:               | beta-5; DYT4; TUBB4  |
| Protein Families:       | Druggable Genome   |
| Protein Pathways:       | Gap junction, Pathogenic Escherichia coli infection  |

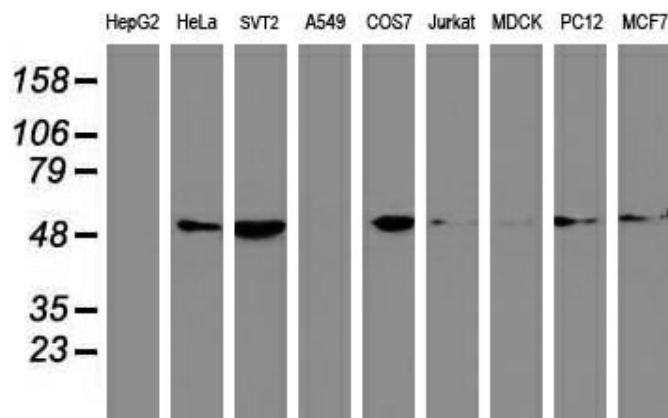


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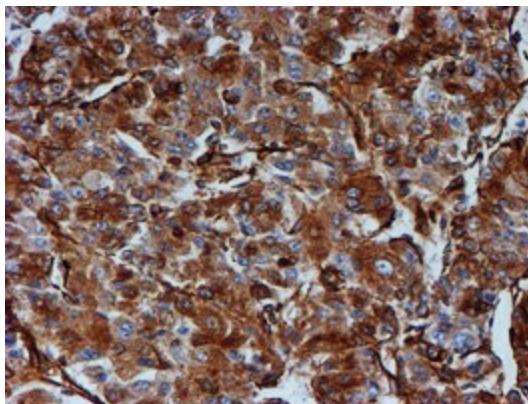
**Product images:**



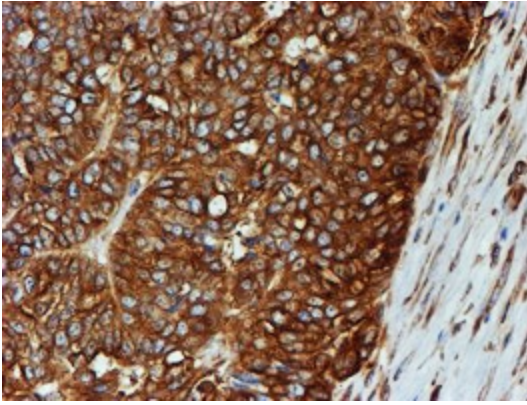
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TUBB4 ([RC203945], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TUBB4. Positive lysates [LY401833] (100ug) and [LC401833] (20ug) can be purchased separately from OriGene.



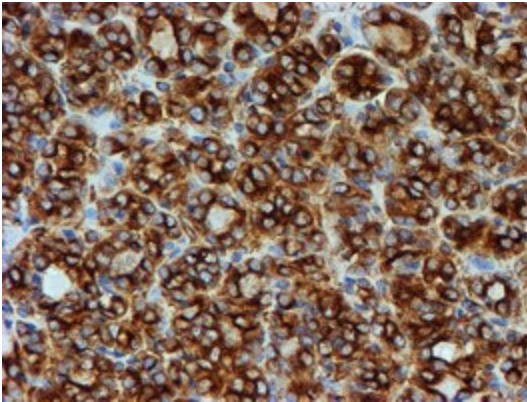
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TUBB4 monoclonal antibody.



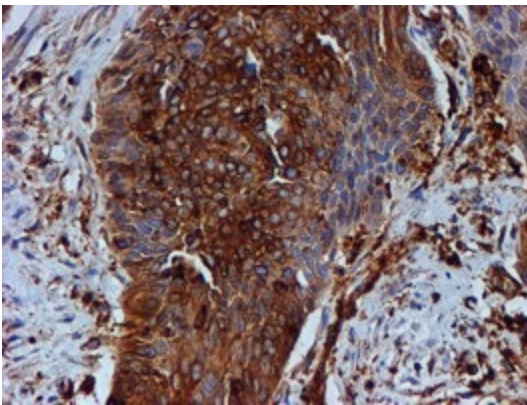
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-TUBB4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502985])



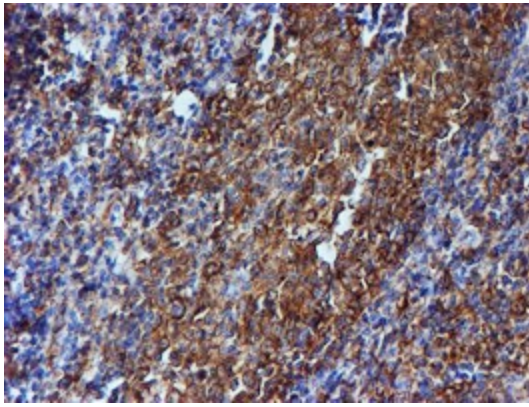
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-TUBB4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502985])



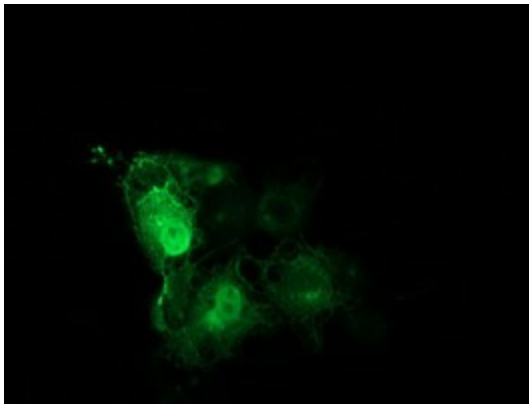
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-TUBB4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502985])



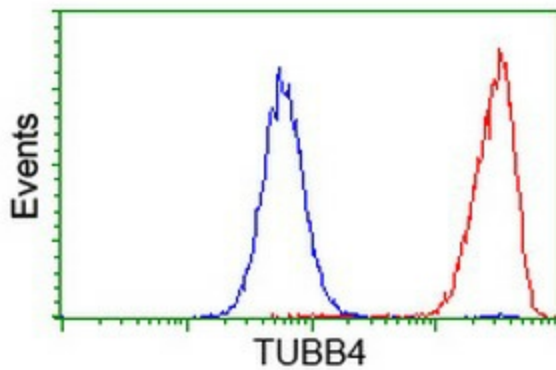
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-TUBB4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502985])



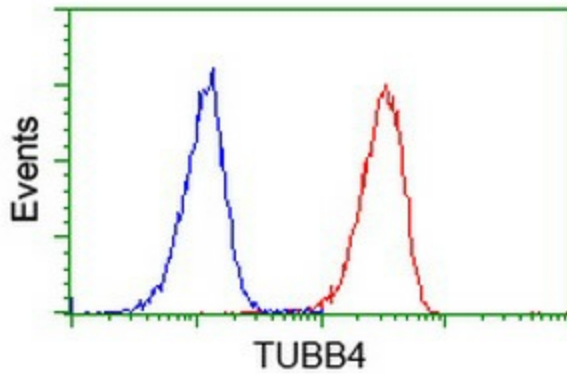
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-TUBB4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502985])



Anti-TUBB4 mouse monoclonal antibody ([TA502985]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TUBB4 ([RC203945]).



Flow cytometric Analysis of Hela cells, using anti-TUBB4 antibody ([TA502985]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-TUBB4 antibody ([TA502985]), (Red), compared to a nonspecific negative control antibody, (Blue).