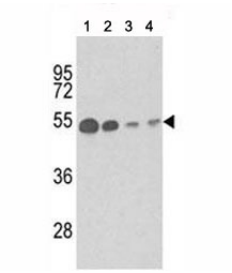
# b-Tubulin Antibody [clone 86CT4.4.4] (F40185)

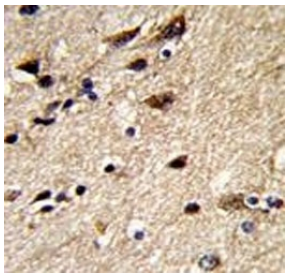
| Catalog No. | Formulation | Size |
|---|---|---|
| F40185-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F40185-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

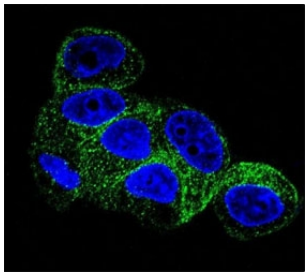
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1 |
| **Clone Name** | 86CT4.4.4 |
| **Purity** | Purified |
| **UniProt** | Q9H4B7 |
| **Applications** | Western blot: 1:100-1:500<br>IHC (Paraffin): 1:10-1:50<br>Immunofluorescence: 1:10-1:50 |
| **Limitations** | This b-Tubulin antibody is available for research use only. |




Western blot analysis of b-Tubulin antibody and (1) mouse brain tissue, (2) Y79, (3) CEM and (4) 293 lysate.



IHC analysis of FFPE human brain stained with b-Tubulin antibody



Confocal immunofluorescent analysis of b-Tubulin antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-mouse lgG (green). DAPI was used as a nuclear counterstain (blue).

## Description

This gene encodes a 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. Tubulin beta-1 chain is specifically expressed in platelets and megakaryocytes and may be involved in proplatelet production and platelet release. A mutations in this gene is associated with autosomal dominant macrothrombocytopenia. Two pseudogenes of this gene are found on chromosome Y.

## Application Notes

Titration of the b-Tubulin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This b-Tubulin antibody was produced from mice immunized with recombinant human TUBB1.

## Storage

Aliquot the b-Tubulin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.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