# -tubulin Monoclonal Antibody(M7)

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| Catalog No | YP-Ab-02985 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | WB;IF |
| Gene Name | TUBB3 |
| Protein Name | Tubulin beta-3 chain |
| Immunogen | Synthetic Peptide of -tubulin |
| Specificity | The antibody detects endogenous -tubulin protein. |
| Formulation | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. |
| Source | Monoclonal, Mouse |
| Purification | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Dilution | WB: 1:5000 -10000 IF: 1:100-200 |
| Concentration | 1 mg/ml |
| Purity | 90% |
| Storage Stability | -20°C/1 year |
| Synonyms | TUBB3; TUBB4; Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III |
| Observed Band | 55kD |
| Cell Pathway | Cytoplasm, cytoskeleton . Cell projection, growth cone . Cell projection, lamellipodium . Cell projection, filopodium . |
| Tissue Specificity | Expression is primarily restricted to central and peripheral nervous system. Greatly increased expression in most cancerous tissues. |
| Function | domain:The highly acidic C-terminal region may bind cations such as calcium.,function:Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.,function:Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain.,polymorphism:Genetic variations in MC1R are associated with variation in skin/hair/eye pigmentation type 2 (SHEP2) [MIM:266300]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals tend to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair col |
| Background | tubulin beta 3 class III(TUBB3) Homo sapiens This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core |