

βIII Tubulin (PT0545R) PT™ Rabbit mAb AbFluor 488

CatalogNo: YM2223 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 50kD (Calculated)
- 50kD (Observed)

Isotype

- IgG, Kappa

Conjugate

- AbFluor 488

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IF 1:100-500**ELISA 1:5000-20000**

Basic Information

Clonality Monoclonal**Clone Number** PT0545R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** Endogenous

Target Information

Gene name TUBB3

Protein Name Tubulin beta-3 chain

Organism	Gene ID	UniProt ID
Human	10381 ;	Q13509 ;
Mouse	22152 ;	Q9ERD7 ;
Rat	246118 ;	Q4QRB4 ;

Cellular Localization Cytoplasm

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 color is found among individuals of European ancestry, with most other human populations fixed for brown eyes and black hair.,polymorphism:Variations in MC1R are linked to the degree of skin pigmentation (Types I-IV). Type I skin the most lightly pigmented and type IV the most dark pigmented. Partial loss-of-function mutations are associated with fair skin, poor tanning and increased skin cancer risk.,similarity:Belongs to the G-protein coupled receptor 1 family.,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,tissue specificity:Melanocytes and corticoadrenal tissue.,

| Validation Data

| Contact information

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