BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Beta-Tubulin Monoclonal Antibody(5G3)

Description

Product type	Primary Antibody
Code	BT-MCA0089
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Beta-Tubulin
Mol wt	50433
Species reactivity	Human,Rat,Mouse,Monkey,Dog,Chicken,Hamster,Rabbit,sheep,Insect,Yeast,Fish
Clonality	Monoclonal
Recommended application	WB, IF, ICC, IHC-p
Concentration	1 mg/ml
Full name	Tubulin beta-3 chain
Synonyms	TUBB3; TUBB4; Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a class III 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. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6.

Recommended Dilution

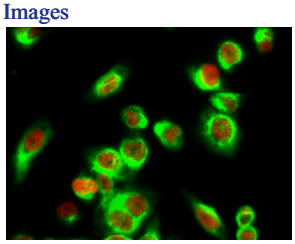
IF: 1:200

IHC: 1:200

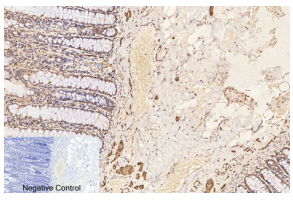
WB: 1:5000

Not yet tested in other applications.

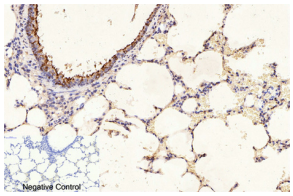
Images



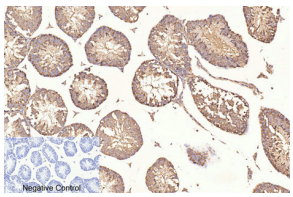
Immunofluorescence analysis of Hela cell. CREB-1 (phospho Ser133) Polyclonal Antibody(red) was diluted at 1:200(4°C overnight). Beta-Tubulin Monoclonal antibody(5G3)(green) was diluted at 1:200(4°C overnight).



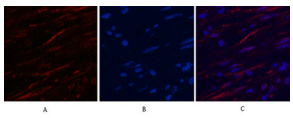
Immunohistochemical analysis of paraffin-embedded Human-colon tissue. 1.Beta-Tubulin Monoclonal antibody(5G3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



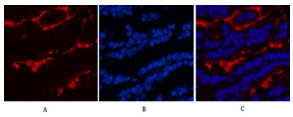
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1.Beta-Tubulin Monoclonal antibody(5G3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



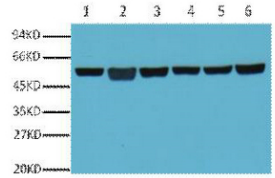
Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1.Beta-Tubulin Monoclonal antibody(5G3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



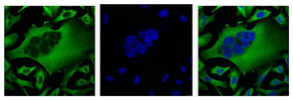
Immunofluorescence analysis of Human-appendix tissue. 1.Beta-Tubulin Monoclonal antibody(5G3) (red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-lung tissue. 1.Beta-Tubulin Monoclonal antibody(5G3)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of A549 (1) Rat brain (2) Mouse brain (3) Chicken lung (4) and Rabbit testis (5) Sheep muscle (6) diluted at 1:5000.



IF analysis of Hela with Beta-Tubulin Monoclonal antibody(Left) and DAPI (Right) diluted at 1:100.

Storage

-20°C for one year

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