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antibody and ELISA experts

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Anti-beta Tubulin Rabbit Monoclonal Antibody

Catalog Number: M05613-6

About TUBB

Putative transcription factor involved in pancreas development and function.

Overview

Product Name	Anti-beta Tubulin Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-beta Tubulin Rabbit Monoclonal Antibody catalog # M05613-6. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal 17T15
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P07437

Technical Details

Immunogen	A synthesized peptide derived from human beta Tubulin
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:3000-1:10000 IHC 1:100-1:200 ICC/IF 1:100-1:500

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Anti-beta Tubulin Rabbit Monoclonal Antibody (M05613-6) Images

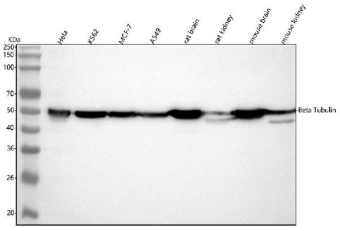
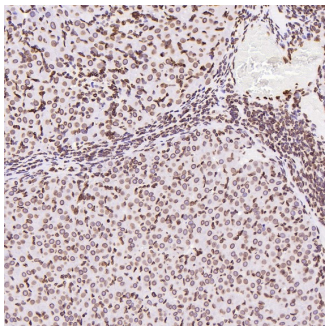
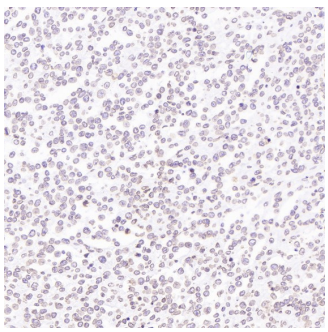


Figure 1. Western blot analysis of beta Tubulin using anti-beta Tubulin antibody (M05613-6).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human K562 whole cell lysates,
Lane 3: human MCF-7 whole cell lysates,
Lane 4: human A549 whole cell lysates,
Lane 5: rat brain tissue lysates,
Lane 6: rat kidney tissue lysates,
Lane 7: mouse brain tissue lysates,
Lane 8: mouse kidney tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-beta Tubulin antigen affinity purified monoclonal antibody (Catalog # M05613-6) at 1:3000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for beta Tubulin at approximately 50 kDa. The expected band size for beta Tubulin is at 50 kDa.



Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:250 dilution.



Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:250 dilution.

Immunohistochemical analysis of paraffin-embedded Human

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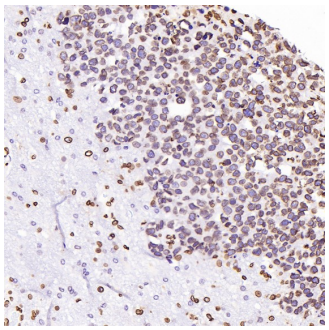
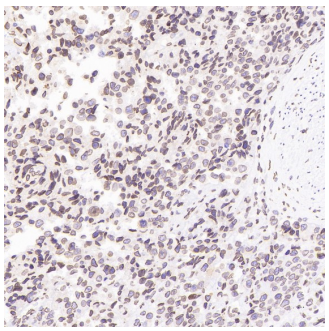
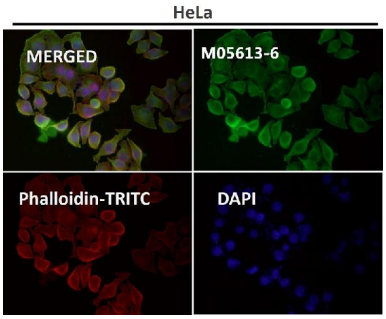


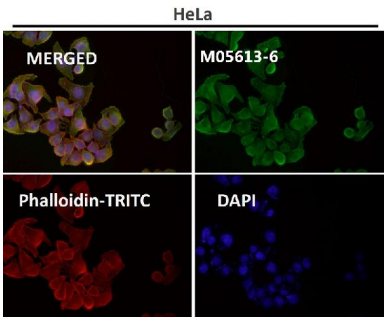
astrocytoma, using the Antibody at 1:250 dilution.



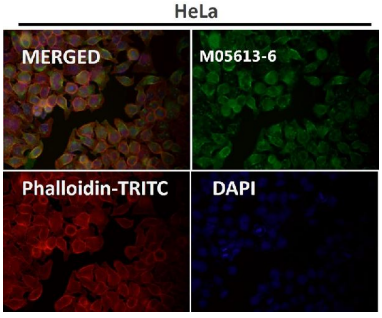
Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle - gastrocnemius , using the Antibody at 1:250 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.

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3 Publications Citing This Product

1. PubMed ID: 10.3892/or.2017.5827, Carboxy-terminus Hsc70 interacting protein exerts a tumor inhibition function in head and neck cancer

2. PubMed ID: 10.1111/cns.12305, Histamine Upregulates Nav1.8 Expression in Primary Afferent Neurons via H2 Receptors: Involvement in Neuropathic Pain

3. PubMed ID: 10.1021/pr100080x, Proteomics Analysis of Differential Expression of Chicken Brain Tissue Proteins in Response to the Neurovirulent H5N1 Avian Influenza Virus Infection

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