

Anti-Acetyl-alpha-Tubulin (Lys40) TUBA1B Rabbit Monoclonal Antibody, Clone#RM318

Catalog Number: M08382-3

Overview

Product Name	Anti-Acetyl-alpha-Tubulin (Lys40) TUBA1B Rabbit Monoclonal Antibody, Clone#RM318
Reactive Species	Vertebrates
Description	Boster Bio Anti-Acetyl-alpha-Tubulin (Lys40) TUBA1B Rabbit Monoclonal Antibody, Clone#RM318 (Catalog # M08382-3). Tested in IHC, WB applications. This antibody reacts with Vertebrates.
Application	IHC, WB
Clonality	Monoclonal RM318
Formulation	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage Instructions	Store at -20°C for one year. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P68363

Technical Details

Immunogen	An acetyl-peptide corresponding to Acetyl- alpha-Tubulin (Lys40)
Cross Reactivity	This antibody reacts to alpha-Tubulin acetylated at Lysine 40. No cross-reactivity to non-acetylated alpha-Tubulin at Lysine 40. This antibody may also react to mouse or rat Acetyl- alpha-Tubulin at Lysine 40, as predicted by immunogen homology.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Protein A affinity purified from an animal origin-free culture supernatant
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: Immunocytochemistry (ICC): 1:1000-1:5000 dilution WB: 1:1000-1:2000 dilution.

Anti-Acetyl-alpha-Tubulin (Lys40) TUBA1B Rabbit Monoclonal Antibody, Clone#RM318 (M08382-3) Images

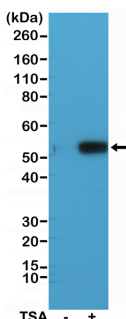


Figure 1. Western Blotting result
Western Blot analysis of HeLa cell lysates non-treated (-) or treated (+) with Trichostatin A (TSA), using anti-Acetyl-alpha-Tubulin (Lys40) rabbit monoclonal antibody (Clone RM318) at a 1:1000 dilution.

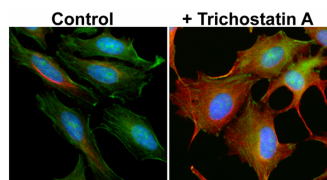


Figure 2. ICC result
Immunocytochemistry of HeLa cells non-treated or treated with Trichostatin A (TSA), using anti-Acetyl-alpha-Tubulin (Lys40) rabbit monoclonal antibody (Clone RM318) at a 1:5000 dilution (red). Actin filaments have been labeled with fluorescein phalloidin (green), and nuclei with DAPI (blue).

14 Publications Citing This Product

1. PubMed ID: 26269769, Endogenous Nodal promotes melanoma undergoing epithelial-mesenchymal transition via Snail and Slug in vitro and in vivo.
2. PubMed ID: 18958584, Prohibitin protects against oxidative stress-induced cell injury in cultured neonatal cardiomyocyte
3. PubMed ID: 19412742, NGFI-B targets mitochondria and induces cardiomyocyte apoptosis in restraint-stressed rats by mediating energy metabolism disorder

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