[K(Ac)40]α-Tubulin polyclonal antibody

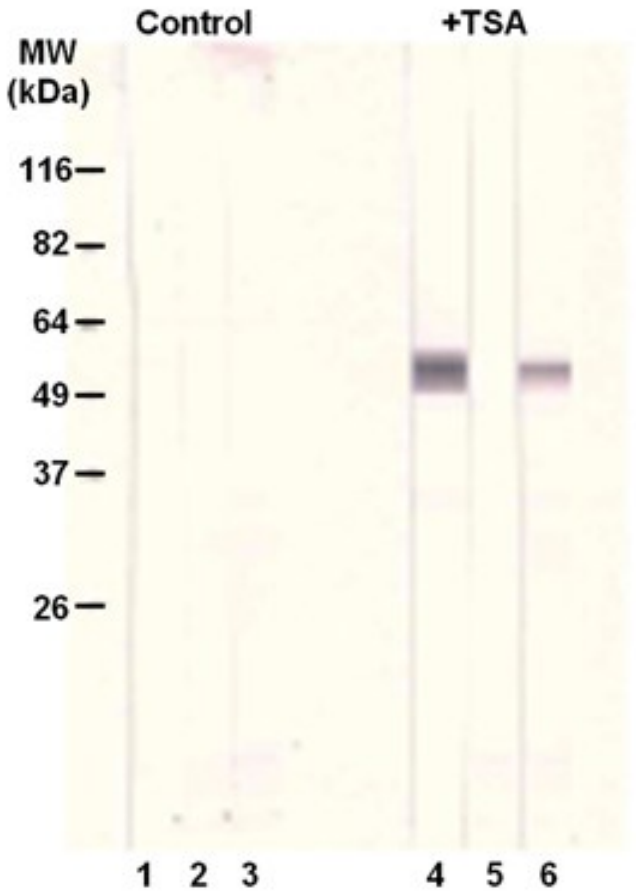
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BML-SA452-0100	100µl

Manuals, SDS & CofA View Online »



Treatment of A549 cells with the histone deacetylase inhibitor trichostatin A (TSA, 0.3 µM, 7 hr.) induces acetylation of alpha-tubulin-Lys40. Western blot analysis was performed with A549 cell extracts (100,000 cells per lane) from either vehicle treated (Control) or TSAtreated (+TSA) cells. All lanes were probed with a 1:1000 dilution of the primary antibody, anti-alpha-tubulin (K(Ac)40) (Prod. No. BML-SA452). For lanes 2 and 5 the primary antibody was preincubated with the immunogen peptide (Ac-QMPSD-K(Ac)-TIGGG[CNH2] and for lanes 3 and 6 it was preincubated with non-acetylated peptide Ac-QMPSDKTIGGG[C-NH2] (peptides: 0.5 µg/µl, antibody: 1:100 dilution, 37°C, 1hr.). Secondary antibody for all lanes was donkey anti-rabbit-AP (1:2000; Jackson Immunoresearch) and the nitrocellulose membrane was developed with BCIP/NBT.

Handling & Storage

Handling	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	WB
Application Notes	Detects a band of ~50kDa by Western blot.
Formulation	Liquid. In PBS.
Host	Rabbit
Immunogen	Synthetic acetylated peptide (K(Ac)40) corresponding to aa 35-45 (Q35MPSD-K(Ac)-TIGGG45) of human α-tubulin.
Recommendation Dilutions/Conditions	Western Blot (1:1,000)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from rabbit serum.
Species Reactivity	Chicken, Primate, Rodent, Xenopus, Zebrafish
UniProt ID	Q71U36 (TUBA1A), P68363 (TUBA1B), P0DPH7 (TUBA3C)
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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