

Anti- α Tubulin antibody, mouse monoclonal (3A1)

70-102 100 μ g

Shipping and Storage: Ship at 4°C and store at -20°C. Do not freeze

Immunogen: Recombinant human alpha Tubulin (full-size).

Form: 1 mg /ml in PBS- with 50% glycerol. Sterilized by ultrafiltration.

Purity: Affinity-purified with protein A from serum-free culture of hybridoma

Reactivity: Reacts with Human, Mouse, Rat, Hamster, Xenopus, C. elegans.

Applications:

Western blot (1/1000-1/2000)

Immunofluorescent staining (1/500)

ELISA (assay dependent)

Background: 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.

Subcellular localization: Cytoskelton

Data Link: UniProtKB: [Q71U36](#) (human)

Reference: This antibody has not been cited in publication yet.

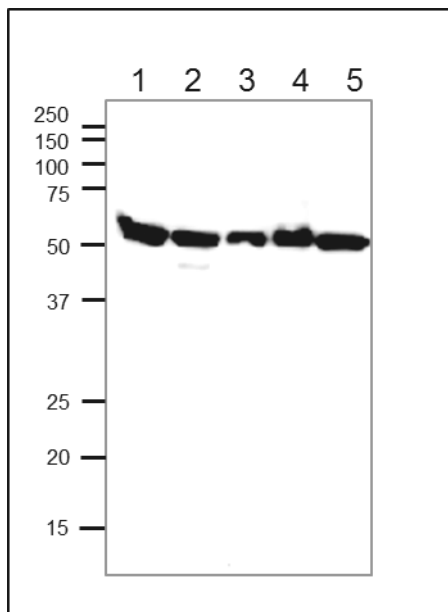


Fig.1 Western blot of alpha Tubulin in crude cell extracts

Samples

1. HeLa (human), 10 μ g

2. MCF7 (human), 13.5 μ g

3. CHO (hamster), 10 μ g

4. NIH3T3 (mouse), 10 μ g

5. B16 mouse melanoma, 11 μ g

The anti-alpha Tubulin antibody was used at 1/1,000 dilution and as the second antibody, HRP-conjugated goat anti-mouse IgG (ab205719) was used at 1/20,000 dilution.

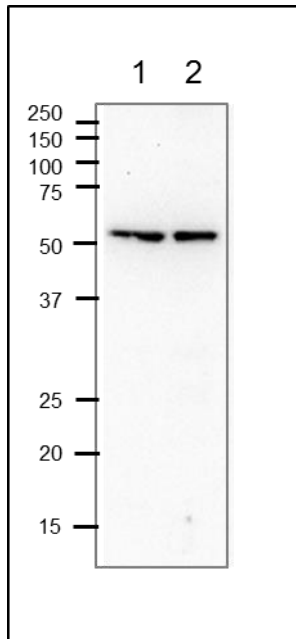


Fig.2 Western blot of alpha Tubulin in crude cell extracts

Samples

1. Xenopus egg, 70 μ g

2. *C. elegans*, 13.5 μ g

The anti-alpha Tubulin antibody was used at 1/1,000 dilution and as the second antibody, HRP-conjugated goat anti-mouse IgG (ab205719) was used at 1/20,000 dilution.

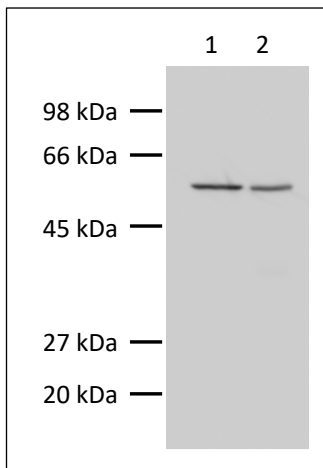


Fig.3 Western blot of alpha Tubulin in crude extracts

Samples

1. HeLa cell, 10 μ g

2. Mouse liver extract, 10 μ g

The anti-alpha Tubulin antibody was used at 1/5,000 dilution and as the second antibody, HRP-conjugated goat anti-mouse IgG (ab205719) was used at 1/20,000 dilution.

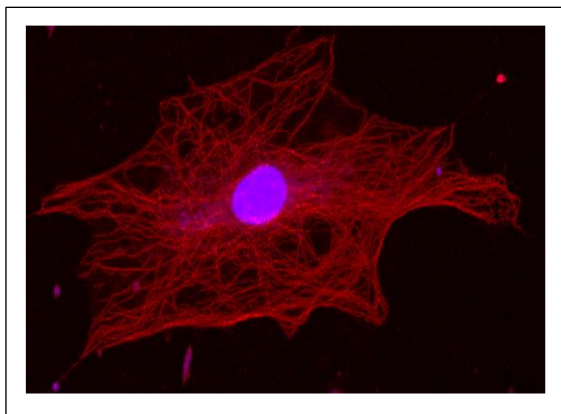


Fig.4 Immunofluorescence staining of alpha Tubulin

NIH3T3 cells were fixed with 4% formaldehyde, permeabilized in 0.1% Triton X-100 and then blocked in 1% in 0.1% PBS-Tween. The cells were incubated with the anti-alpha Tubulin antibody at 1/500 dilution followed by incubation with an Alexa546 rabbit anti-mouse IgG secondary antibody at 2 μ g/ml (red). Nuclear DNA was labelled with DAPI.