

Product Data Sheet

Purified anti-Tubulin-alpha

Catalog # / Size: 625901 / 25 µg
625902 / 100 µg

Clone: TU-01

Isotype: Mouse IgG1, κ

Immunogen: Fraction of tubulin purified from pig brain by two cycles of polymerization-depolymerization

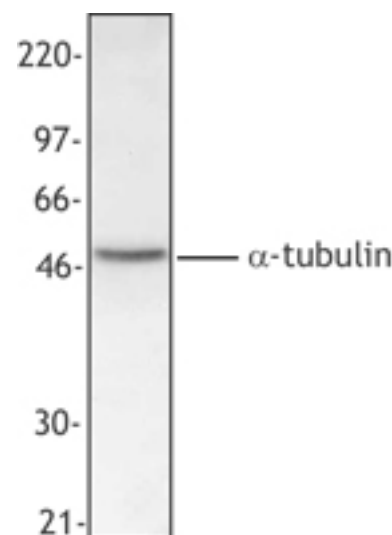
Reactivity: All (recognized epitope conserved within all species)

Preparation: This antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store undiluted at 4°C.



HepG2 cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal antibody against α-tubulin. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.

Applications:

Applications: WB - *Quality tested*
IF, IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry³, and immunofluorescence microscopy².

Application References:

1. Draberova L, *et al.* 1999. *Int. Immunol.* 11:1829. (IF WB)
2. Peknicova J, *et al.* 2001. *Biol. Reproduction* 65:672. (WB)
3. Draber P., *et al.* 1988. *Histochemistry* 89:485. (IHC)

Description: Tubulin, one of the major constituents of microtubules, is a dimeric protein consisting of an alpha and beta chain. Tubulin is a highly conserved protein that is ubiquitously expressed. Tubulin is a GTP-binding protein that can be modified by phosphorylation and acetylation. Tubulin interacts with a variety of proteins including RAC GTPase activating protein 1, ZAP70, Polo-like kinase, c-Myc, Fyn, and microtubule associated protein 1A. The TU-01 antibody recognizes α-tubulin in all species and is useful for Western blotting, immunofluorescence staining, and immunohistochemistry. The TU-01 antibody is frequently used to monitor protein loading in Western blotting.

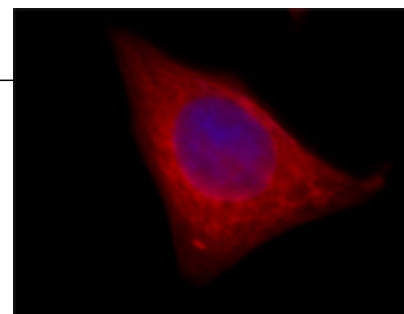
Antigen References:

1. Cowan NJ, *et al.* 1983. *Mol. Cell. Biol.* 3:1738.
2. Miller FD, *et al.* 1987. *J. Cell Biol.* 105:3065.
3. Wilde CD, *et al.* 1982. *Proc. Natl. Acad. Sci. USA* 79:96.

Related Products: **Product**
HRP Goat anti-mouse IgG (minimal x-reactivity)

Clone
Poly4053

Application
ELISA, IHC, WB



HeLa cells were stained with anti-Tubulin-α and secondarily labeled with DyLight™ 549 goat anti-mouse IgG1 (clone Poly24091).



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