

Product Datasheet

alpha-Tubulin Antibody (orb44534)

Catalog Number	orb44534
Category	Antibodies
Description	Mouse Monoclonal to alpha tubulin.
Target	alpha-Tubulin
Clonality	Monoclonal
Isotype	Mouse IgM
Conjugation	Unconjugated
Reactivity	Human, Mouse, Plant, Porcine
Concentration	1 mg/ml
Buffer/Preservatives	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Purification	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Immunogen	microtubule proteins from porcine brain
UniProt ID	Q71U36
RRID	AB_10993590
Tested applications	WB
Application notes	Western blotting: Recommended dilution: 1-2 µg/ml.
Specificity	The antibody TU-02 recognizes an epitope on N-terminal structural domain of alpha-tubulin in various species.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

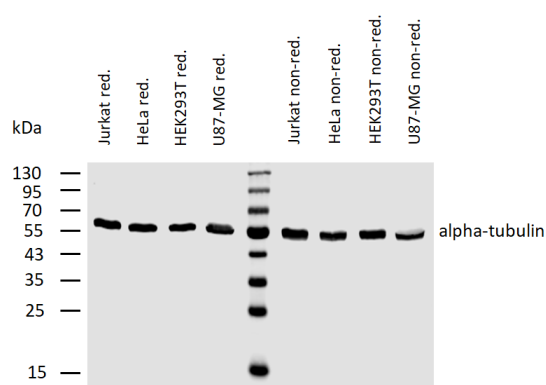
Antibody Type Primary Antibody

Clone Number TU-02

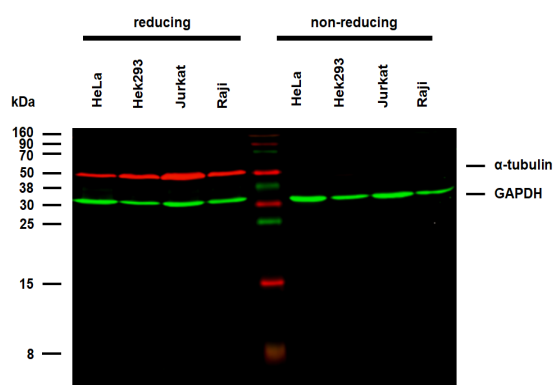
Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note For research use only

Entrez **7277**



Western blotting analysis of human alpha-tubulin using mouse monoclonal antibody TU-02 on lysates (50 mM TRIS-Cl pH 6.8, 4M UREA, 4% SDS) of various cell lines under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-alpha-tubulin monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for alpha-tubulin at approximately 55 kDa.



Anti-alpha-Tubulin Purified (TU-02) works in WB application under reducing conditions on RIPA cell extracts. Western blotting analysis was performed on whole cell extracts (RIPA lysis buffer) of HeLa, HEK 293, Jurkat, and Raji cell lines mixed and heated (100°C, 5 min) with reducing (2-mercaptoethanol) or non-reducing SDS-loading buffer. Samples were resolved using 15% Tris-glycine SDS gel electrophoresis. Nitrocellulose membrane blot was probed simultaneously with mouse IgM monoclonal antibody TU-02 (1 µg/ml) and anti-GAPDH mouse IgG1 monoclonal antibody FF26A (1 µg/ml) used as the loading control. Subclass-specific secondary antibodies IRDye 680RD Goat-anti-Mouse IgM (red) and IRDye 800CW Goat-anti-Mouse IgG (green) were used for multiplex fluorescent Western blot detection. Alpha-tubulin was detected at ~50 kDa in all tested cell lines. Anti-alpha-Tubulin Purified (TU-02) is not suitable for use in non-reducing conditions on RIPA cell extracts.

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