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PRODUCT DATASHEET

Anti-β-Tubulin (central region) Antibody

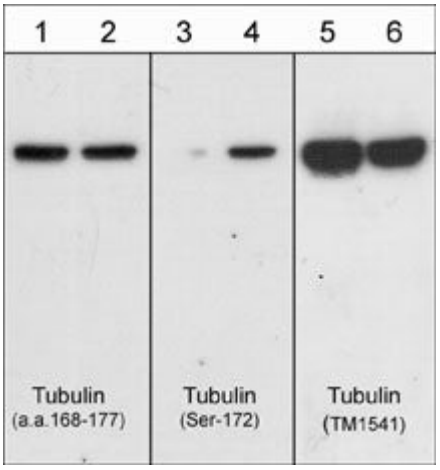
phosphosolutions ANTIBODIES THAT WORK

Product Details

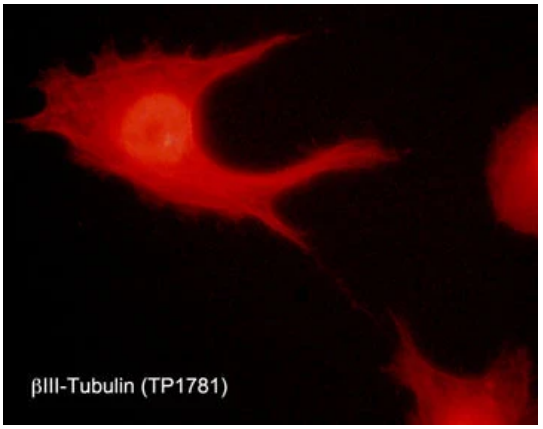
Available Variants	100 µL (SKU:TP1781)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	TUBB3
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:50
Species Reactivity	Chicken, Human, Mouse, Rat
Immunogen	βIII-Tubulin synthetic peptide (coupled to KLH) corresponding to amino acid residues from the central region of human βIII-Tubulin. This sequence is identical to similar regions in βI, βII, and βIII-Tubulin isotypes, and is well conserved in tubulins from most eukaryotic species.
Specificity	This antibody detects a 50 kDa* protein corresponding to the molecular mass of β-Tubulin on SDS-PAGE immunoblots of purified brain tubulin and mouse brain tissue.
Molecular Weight	50
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	Q13509
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Product Images



Western blot analysis of purified brain tubulin untreated (lanes 1,3,5) or treated with ERK2 kinase to phosphorylate Ser-172 (lanes 2,4,6). The blot was probed with anti-β-Tubulin (a.a. 168-177) (lanes 1 & 2), anti-β-Tubulin (Ser-172) (lanes 3 & 4), and anti-β-Tubulin (TM1541) (lanes 5 & 6).



Immunocytochemical labeling of β-tubulin in aldehyde fixed and NP-40 permeabilized human NCI-H1299 lung carcinoma cells. The cells were labeled with rabbit polyclonal anti-β-Tubulin (TP1781). The antibody was detected using goat anti-rabbit DyLight® 594.