



Anti-Beta Tubulin Antibody

Alternative Names: TUBB, β -tubulin

Catalogue Number: AA17-10046-100ug

Size: 100 μ g

Background Information

Microtubules are major components of the cytoskeleton found in all eukaryotic cells. They are involved in mitosis, cell motility, intracellular transport, and maintenance of cell shape. Tubulin, the protein subunit of microtubules (MTs), is an alpha/beta heterodimer. Because beta-tubulin is ubiquitously expressed in all eukaryotic cells, it can be used as a loading control for Western blotting.

Alpha- and beta-tubulin subunits are encoded by 19 genes in humans (10 alpha and 9 beta) with each tubulin showing over 90% amino acid homology with other tubulins of the same type. Tubulin isotype expression and distribution varies across different cells and tissues, indicating that all tubulins, whilst important for the basic structural functions they perform, are most likely important for other functions in specific cell types.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	Partial length recombinant human beta Tubulin from the C-terminal region of the protein		
Format:	100 μ g in 200 μ l PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB WB: 4-6 μ g/ml		

Additional Information

Subcellular location:	Cytoskeleton	MW:	50kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	7280	Uniprot ID:	Q13885