

**AM20678PU-N****Monoclonal Antibody to alpha Tubulin / TUBA1A / TUBA3 - Purified**

<b>Alternate names:</b>	Alpha-tubulin 3, Tubulin B-alpha-1, Tubulin alpha-1A chain, Tubulin alpha-3 chain
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0,1 mg/ml (after reconstitution with PBS)
<b>Background:</b>	Alpha-tubulin (b-alpha-1) mRNA is expressed only in brain with a molecular weight of about 55,000. The 3-prime UTR of b-alpha-1 is more than 80% homologous to the UTR of the rat brain alpha-tubulin gene,IL-alpha-T1. B-alpha-1 encodes a predicted 451-amino acid protein that is 100% identical to the rat homolog and differs by only 2 and 3 amino acids from the pig and chicken homologs, respectively.
<b>Uniprot ID:</b>	<a href="#">Q71U36</a>
<b>NCBI:</b>	<a href="#">NP_006000</a>
<b>GeneID:</b>	<a href="#">7846</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
<b>Clone:</b>	Tub-1
<b>Immunogen:</b>	Microtubules from chicken embryo brain
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction <b>Purification:</b> Affinity chromatography <b>Buffer System:</b> 1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative <b>Reconstitution:</b> Restore with 1.2% sodium acetate or neutral PBS
<b>Applications:</b>	Western Blot: 2 µg/ml. Immunohistochemistry on paraffin sections: 1 - 2 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to TUBA1A / TUBA3. <b>Species:</b> Human, Rat. Other species not tested.
<b>Storage:</b>	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Cowan NJ, Dobner PR, Fuchs EV, Cleveland DW. Expression of human alpha-tubulin genes: interspecies conservation of 3' untranslated regions. Mol Cell Biol. 1983 Oct;3(10):1738-45. PubMed PMID: 6646120. 2. Hall JL, Cowan NJ. Structural features and restricted expression of a human alpha-

tubulin gene. Nucleic Acids Res. 1985 Jan 11;13(1):207-23. PubMed PMID: 3839072.

Pictures:

