

Phospho-alpha Tubulin (Y272) Antibody

Rabbit mAb

Catalog # AP90275

Product Information

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|--------------------------|---|
| Application | WB, ICC |
| Primary Accession | P68363 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Other Names | Alpha-tubulin 3; B-ALPHA-1; FLJ25113; hum-a-tub1; hum-a-tub2; LIS3; TBA1A; TUBA1A; TUBA3; Tubulin alpha-1A chain; Tubulin alpha-3 chain; Tubulin B-alpha-1; tubulin, alpha 1a; tubulin, alpha 3; tubulin, alpha, brain-specific |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 50152 |

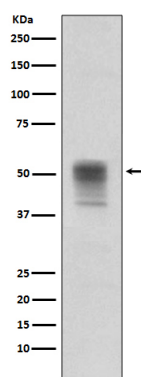
Additional Information

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|-------------------------------------|--|
| Dilution | WB 1:500~1:2000 ICC/IF 1:50~1:200 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human Phospho-alpha Tubulin (Y272) |
| Description | TUBA1A Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

Protein Information

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| Name | TUBA1B |
| Function | Tubulin is the major constituent of microtubules, protein filaments consisting of alpha- and beta-tubulin heterodimers (PubMed: 38305685 , PubMed: 34996871 , PubMed: 38609661). Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms (PubMed: 38305685 , PubMed: 34996871 , PubMed: 38609661). Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin (PubMed: 34996871 , PubMed: 38609661). |
| Cellular Location | Cytoplasm, cytoskeleton |

Images



Western blot analysis on Jurkat cell lysates treated with pervanadate using alpha Tubulin (phospho Y272) Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.