

## Product datasheet for **TA319192**

### Tubulin (TUBA1B) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:5,000, WB: 1:500 - 1:3,000, IHC: 1:500 - 1:2,000, IF: 1:500 - 1:2,000
Reactivity:	Human, Mouse, Bovine, Rat, Chicken
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Anti-Tubulin Loading Control Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 427-441 of Human alpha Tubulin.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tubulin alpha 1b
Database Link:	<a href="#">NP_006073</a> <a href="#">Entrez Gene 22143 Mouse</a> <a href="#">Entrez Gene 500929 Rat</a> <a href="#">Entrez Gene 10376 Human</a> <a href="#">P68363</a>
Synonyms:	K-ALPHA-1



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**Note:** Tubulin Loading Control Antibody recognizes microtubules which are involved in a wide variety of cellular activities ranging from mitosis and transport events to cell movement and the maintenance of cell shape. Tubulin itself is a globular protein consisting of two polypeptides (alpha and beta tubulin). Alpha and beta tubulin dimers are assembled to 13 protofilaments that form a microtubule of 22-nm diameter. Tyrosine ligase adds a C-terminal tyrosine to monomeric alpha tubulin. Assembled microtubules can again be detyrosinated by a cytoskeleton-associated carboxypeptidase. Detyrosinated alpha tubulin is referred to as Glu-tubulin. Another post-translational modification of detyrosinated alpha tubulin is C-terminal polyglutamylation, which is characteristic of microtubules in neuronal cells and the mitotic spindle. This antibody makes an excellent loading control. Anti-Alpha-tubulin antibody is ideal for investigators involved in cell cycle protein research.

**Protein Families:** Druggable Genome

**Protein Pathways:** Gap junction, Pathogenic Escherichia coli infection

### Product images:



Western Blot of Rabbit Anti-Alpha Tubulin Antibody. Lane 1: whole cell lysates from mouse brain. Lane 2: rat brain. Lane 3: A431 cells. Lane 4: Jurkat cells. Lane 5: HeLa cells. Load: 35 ug per lane. Primary antibody: Alpha Tubulin antibody at 1:1, 200 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~50 kDa corresponding to alpha tubulin (arrowhead). Other band (s): none.