

## Rabbit Tubulin alpha-1B/K-alpha-1 Polyclonal Antibody | anti-K-alpha-1 antibody

Tubulin alpha-1B/K-alpha-1 Rabbit pAb

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA282142</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

Tubulin alpha-1B/K-alpha-1; Polyclonal Antibody; Tubulin alpha-1B/K-alpha-1 Rabbit pAb; TUBA1B; K-ALPHA-1; anti-K-alpha-1 antibody

### PRODUCT SPECIFICATIONS

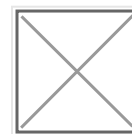
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|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                          | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clonality                                           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                             | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                                 | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence                                            | MRECISIHVG QAGVQIGNAC WELYCLEHGI QPDGQMPSDK TIGGGDDSFN TFFSETGAGK HVPRAVFVDL<br>EPTVIDEVRT GTYRQLFHPE QLITGKEDAA NNYARGHYTI GKEIIDLVLD RIRKLADQCT GLQGFLVFHS<br>FGGGTGSFT SLLMERLSVD YGKKSLEFS IYPAPQVSTA VPEPYSILT THTTLEHSDC AFMVDNEAIY<br>DICRRNLDIE RPTYTNLNLRL ISQIVSSITA SLRFDGALNV DLTEFQTNLV PYPRIHFPLA TYAPVISA EK<br>AYHEQLSVAE ITNACFEPAN QMVKCDPRHG KYMACCLLYR GDVVPKDVNA AIATIKTKRS IQFVDWCPTG<br>FKVGINYQPP TVVPGGDLAK VQRAVCMLSN TTAIAEAWAR LDHKFDLMYA KRAFWHWYVG EGMEEGEFSE<br>AREDMAALEK DYEEVGVD SV EGE GEEEGEE Y |
| Applicable Applications for anti-K-alpha-1 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                           | Recombinant fusion protein containing a sequence corresponding to amino acids 1-451 of human Tubulin alpha-1B/K-alpha-1 (NP_006073.2).                                                                                                                                                                                                                                                                                                                                                                                              |
| Cellular Location                                   | Cytoplasm, cytoskeleton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Positive Samples                                    | HeLa, PC-12, A-549, NIH/3T3, U-251MG, Mouse brain, Rat brain                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                             | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Tubulin alpha-1B/K-alpha-1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Tubulin alpha-1B/K-alpha-1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Tubulin alpha-1B/K-alpha-1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Tubulin alpha-1B/K-alpha-1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

## ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                               |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-K-alpha-1 antibody | Background: 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. |
| Product Categories/Family for anti-K-alpha-1 antibody   | Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Research; Cell Biology & Developmental Biology; Cytoskeleton; Microtubules; Other Antibody Type                                 |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 55977474                                                                                                                                       |
| NCBI GeneID                      | 10376                                                                                                                                          |
| UniProt Accession #              | P68363; P04687; P05209; Q27168; Q8WU19                                                                                                         |
| Molecular Weight                 | 37,218 Da                                                                                                                                      |
| NCBI Official Full Name          | Tubulin alpha-1B chain                                                                                                                         |
| NCBI Official Synonym Full Names | tubulin, alpha 1b                                                                                                                              |
| NCBI Official Symbol             | TUBA1B                                                                                                                                         |
| NCBI Official Synonym Symbols    | K-ALPHA-1                                                                                                                                      |
| NCBI Protein Information         | tubulin alpha-1B chain; alpha tubulin; tubulin K-alpha-1; alpha-tubulin ubiquitous; tubulin, alpha, ubiquitous; tubulin alpha-ubiquitous chain |
| UniProt Protein Name             | Tubulin alpha-1B chain                                                                                                                         |
| UniProt Gene Name                | TUBA1B                                                                                                                                         |
| UniProt Entry Name               | TBA1B_HUMAN                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tubulin-alpha-1b-k-alpha-1-antibody-immunofluorescence-western-blot-elisa/282142>