

## Rabbit Tubulin alpha Polyclonal Antibody | anti-TUBA1A antibody

Tubulin alpha Antibody

|                               |                       |                                        |                                                                                      |
|-------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA285347</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, mouse, rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Tubulin alpha; Polyclonal Antibody; Tubulin alpha Antibody; Tubulin a Antibody; Tubulin alpha-1A chain; Alpha-tubulin 3; Tubulin B-alpha-1; Tubulin alpha-3 chain; TUBA1A; TUBA3; anti-TUBA1A antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                 |
| Reactivity                                       | Human, mouse, rat                                                                                                                                      |
| Clonality                                        | Polyclonal                                                                                                                                             |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                              |
| Form/Format                                      | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.     |
| Sequence Positions                               | 423-451                                                                                                                                                |
| Sequence Length                                  | 416                                                                                                                                                    |
| Applicable Applications for anti-TUBA1A antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                          |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                      |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



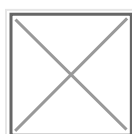
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using Tubulin alpha antibody.



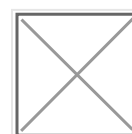
#### IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells, using Tubulin alpha antibody.



#### WB (Western Blot)

Western blot analysis of extracts from 3T3 cells (Lane 2), colo cells (Lane 3) and HuvEc cells (Lane 4), using Tubulin alpha Antibody. The lane on the left is treated with synthesized peptide



#### WB (Western Blot)

Western blot analysis of lysate from HepG2 cell line, using Tubulin alpha Antibody(AAA285347). AAA285347 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TUBA1A antibody | 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-TUBA1A antibody   | Signal Transduction                                                                                                                                                                                                                                                                        |
| References                                           | Hall J.L.,et al.Nucleic Acids Res. 13:207-223(1985).<br>Crabtree D.V.,et al.Bioorg. Med. Chem. 9:1967-1976(2001).<br>Ota T.,et al.Nat. Genet. 36:40-45(2004).<br>Scherer S.E.,et al.Nature 440:346-351(2006).<br>Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 393715091                              |
| NCBI GeneID                      | 7846                                   |
| NCBI Accession #                 | NP_001257328.1                         |
| NCBI GenBank Nucleotide #        | NM_001270399.1                         |
| UniProt Accession #              | Q71U36; P04687; P05209; A8K0B8; G3V1U9 |
| Molecular Weight                 | 50136                                  |
| NCBI Official Full Name          | tubulin alpha-1A chain isoform 1       |
| NCBI Official Synonym Full Names | tubulin, alpha 1a                      |
| NCBI Official Symbol             | TUBA1A                                 |
| NCBI Official Synonym Symbols    | LIS3; TUBA3; B-ALPHA-1                 |
| NCBI Protein Information         | tubulin alpha-1A chain                 |
| UniProt Protein Name             | Tubulin alpha-1A chain                 |
| UniProt Gene Name                | TUBA1A                                 |
| UniProt Synonym Gene Names       | TUBA3                                  |
| UniProt Entry Name               | TBA1A_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.