

## Product datasheet for **TA335701**

### alpha Tubulin (TUBA3C) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-TUBA3C Antibody: synthetic peptide directed towards the N terminal of human TUBA3C. Synthetic peptide located within the following region: QMPSDKTIGGGDDSFNTFFSETGAGKHVPRAVFDLEPTVVDEVRTGTYR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	tubulin alpha 3c
Database Link:	<a href="#">NP_005992</a> <a href="#">Entrez Gene 7278 Human</a> <a href="#">Q13748</a>



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**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. Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene is an alpha tubulin gene that encodes a protein 99% identical to the mouse testis-specific Tuba3 and Tuba7 gene products. This gene is located in the 13q11 region, which is associated with the genetic diseases Clouston hidrotic ectodermal dysplasia and Kabuki syndrome. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

bA408E5.3; TUBA2

**Note:**

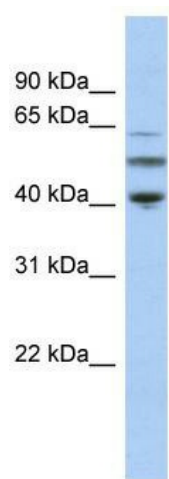
Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:**

Gap junction, Pathogenic Escherichia coli infection

**Product images:**

WB Suggested Anti-TUBA3C Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: OVCAR-3 cell lysate TUBA3C is supported by BioGPS gene expression data to be expressed in OVCAR3