

## Product datasheet for **TA355589**

### ARPC4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of human ARPC4
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish <b>Homology:</b> Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 92%; Rat: 100%; Yeast: 92%; Zebrafish: 85%
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>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	19kDa
Gene Name:	actin related protein 2/3 complex subunit 4
Database Link:	<a href="#">NP_001020130.1</a> <a href="#">Entrez Gene 10093 Human</a> <a href="#">P59998</a>



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**Background:**

This gene encodes one of seven subunits of the human Arp2/3 protein complex. This complex controls actin polymerization in cells and has been conserved throughout eukaryotic evolution. This gene encodes the p20 subunit, which is necessary for actin nucleation and high-affinity binding to F-actin. Alternative splicing results in multiple transcript variants. Naturally occurring read-through transcription exists between this gene and the downstream tubulin tyrosine ligase-like family, member 3 (TLL3), which results in the production of a fusion protein.

**Synonyms:**

ARC20; MGC13544; p20-Arc

**Protein Pathways:**

Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

**Product images:**

Host: Rabbit  
Target Name: ARPC4-TLL3  
Sample Tissue: THP-1 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: ARPC4  
Sample Tissue: Human THP-1 Whole Cell  
Antibody Dilution: 1 ug/ml