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## anti-ARPC2 antibody (AA 1-250) (HRP)



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Quantity:	100 μg
Target:	ARPC2
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARPC2 antibody is conjugated to HRP
Application:	ELISA

### **Product Details**

Immunogen:	Recombinant Human Actin-related protein 2/3 complex subunit 2 protein (1-250AA)	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	>95%, Protein G purified	

## Target Details

Target:	ARPC2	
Alternative Name:	ARPC2 (ARPC2 Products)	
Background:	Background: Actin-binding component of the Arp2/3 complex, a multiprotein complex that	
	mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF)	

(PubMed:9230079). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:9230079). Seems to contact the mother actin filament (PubMed:9230079). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (PubMed:29925947). The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) (PubMed:29925947). Aliases: Actin related protein 2/3 complex subunit 2 34 kDa antibody, Actin related protein 2/3 complex subunit 2 antibody, ARC 34 antibody, ARC34 antibody, Arp2/3 complex 34 kDa subunit antibody, ARP2/3 protein compex subunit 34 antibody, ARPC 2 antibody, Arpc2 antibody, ARPC2\_HUMAN antibody, p34 Arc antibody, p34-ARC antibody, p34Arc antibody, PNAS 139 antibody, PNAS139 antibody, PRO 2446 antibody, PRO2446 antibody

UniProt: 015144

Pathways: RTK Signaling, Regulation of Actin Filament Polymerization

## **Application Details**

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

#### Handling

Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	