

bs-10563R**[Primary Antibody]**

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ARPC1B Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat) Predicted MW.: 41 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 10095	SWISS: O15143	
Target: ARPC1B		
Immunogen: KLH conjugated synthetic peptide derived from human ARPC1B: 101-200/372.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene encodes one of seven subunits of the human Arp2/3 protein complex. This subunit is a member of the SOP2 family of proteins and is most similar to the protein encoded by gene ARPC1A. The similarity between these two proteins suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in the control of actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the structure of the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages. This protein also has a role in centrosomal homeostasis by being an activator and substrate of the Aurora A kinase. [provided by RefSeq, Mar 2011]		

— SELECTED CITATIONS —

- **[IF=5]** Yong-Fei Tang. et al. ARPC1B is a novel prognostic biomarker for kidney renal clear cell carcinoma and correlates with immune infiltration. FRONT MOL BIOSCI. 2023; 10: 1202524 IHC ;Human. 37795220
- **[IF=3.698]** Weimin Ni. et al. Actin Related Protein 2/3 Complex Subunit 1 up-regulation in the hypothalamus prevents high-fat diet induced obesity. EUR J NEUROSCI. 2022 Nov;; IF ;Mouse. 36382618
- **[IF=2.7]** Chuangxin Liao. et al. High expression of ARPC1B correlates with immune infiltration and poor outcomes in glioblastoma. Biochemistry and Biophysics Reports. 2024 Mar;37:101619 IHC ;Human. 10.1016/j.bbrep.2023.101619