

Anti-CARK Antibody

Catalog #	Source	Reactivity	Applications
CPA4290	Rabbit	H, M, R, B	WB, IH
Description	Rabbit polyclonal antibody to CARK		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CARK. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of CARK protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)		
Gene Symbol	TNNI3K		
Alternative Names	CARK; Serine/threonine-protein kinase TNNI3K; Cardiac ankyrin repeat kinase; Cardiac troponin I-interacting kinase; TNNI3-interacting kinase		
Entrez Gene	100526835, 51086 (Human); 435766 (Mouse); 295531 (Rat)		
SwissProt	Q59H18 (Human); Q5GIG6 (Mouse); Q7TQP6 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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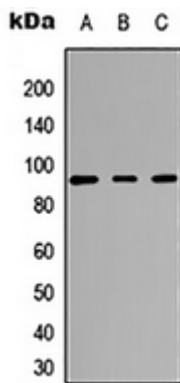
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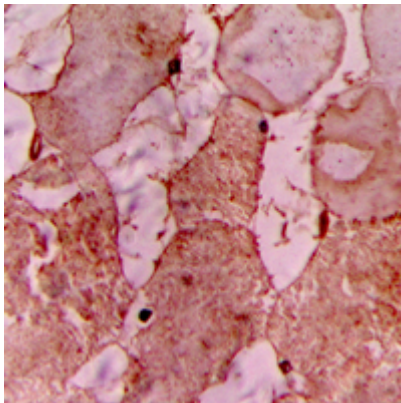
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Product Data Sheet



Western blot analysis of CARK expression in HEK293T (A), Raw264.7 (B), H9C2 (C) whole cell lysates. (Predicted band size: 92 kDa; Observed band size: 92 kDa)



Immunohistochemical analysis of CARK staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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