antibodies.com

Datasheet for ABIN391696 anti-PCM1 antibody (AA 632-661)

4 Images

1 Publication



Overview

Quantity:	400 μL
Target:	PCM1
Binding Specificity:	AA 632-661
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCM1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	This PCM-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 632-661 amino acids from the Central region of human PCM-1.
Clone:	RB18191
lsotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PCM1
Alternative Name:	PCM-1 (PCM1 Products)

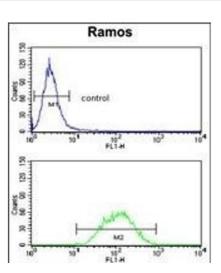
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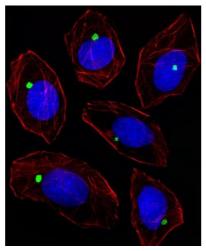
Target Details	
Background:	PCM-1 is required for centrosome assembly and function. This protein is essential for the correct localization of several centrosomal proteins including CEP250, CETN3, PCNT and NEK2. The protein is required to anchor microtubules to the centrosome.
Molecular Weight:	228544
Gene ID:	5108
NCBI Accession:	NP_006188
UniProt:	Q15154
Pathways:	Stem Cell Maintenance, M Phase, Maintenance of Protein Location
Application Details	
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Abdelalim, Masuda, Tooyama: "Expression of natriuretic peptide-activated guanylate cyclases by cholinergic and dopaminergic amacrine cells of the rat retina." in: Peptides , Vol. 29, Issue 4, pp. 622-8, (2008) (PubMed).
	Dams, Van Acker, Gustin, Vereycken, Bunkens, Holemans, Smeulders, Clayton, Ohagen, Hertogs:

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Tomescot, Leschik, Bellamy, Dubois, Messas, Bruneval, Desnos, Hagège, Amit, Itskovitz, Menasché, Pucéat: "Differentiation in vivo of cardiac committed human embryonic stem cells in postmyocardial infarcted rats." in: **Stem cells (Dayton, Ohio)**, Vol. 25, Issue 9, pp. 2200-5, (2007) (PubMed).

Images



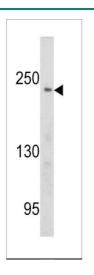


Flow Cytometry

Image 1. PCM-1 Antibody (Center) (ABIN391696 and ABIN2841598) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

Image 2. Fluorescent image of A549 cell stained with PCM-1 Antibody (Center) (ABIN391696 and ABIN2841598)/SA120711BC. A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with PCM-1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DI (blue) (10 µg/mL, 10 min).PCM-1 immunoreactivity is localized to Centrosome significantly.



Western Blotting

Image 3. Western blot analysis of PCM-1 antibody (Center) (ABIN391696 and ABIN2841598) in Ramos cell line lysates ($35 \mu g$ /lane). PCM-1 (arrow) was detected using the purified Pab.

Please check the product details page for more images. Overall 4 images are available for ABIN391696.