Rabbit anti-Human PCM-1 Polyclonal Antibody | anti-PCM1 antibody

PCM-1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285758	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

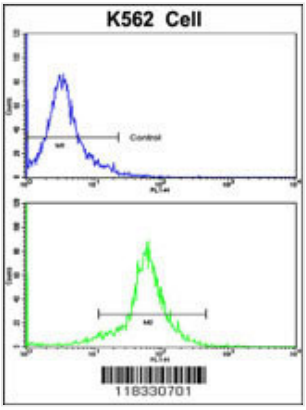
PRODUCT SYNONYMS

PCM-1; Polyclonal Antibody; PCM-1 Antibody (C-term); Pericentriolar material 1 protein; hPCM-1; PCM1; anti-PCM1 antibody

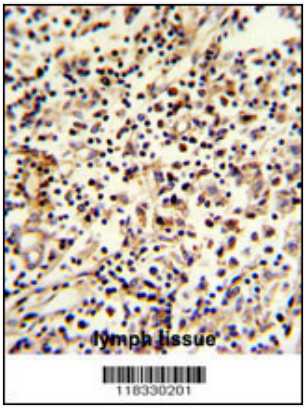
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCM-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1816-1845 amino acids from the C-terminal region of human PCM-1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Positions	1816-1845
Sequence Length	2024
Applicable Applications for anti-PCM1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

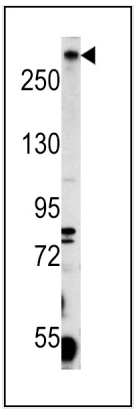
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of K562 cells using PCM-1 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lymph reacted with PCM-1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PCM-1 antibody (C-eterm) in K562 cell line lysates (35ug/lane). PCM1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PCM1 antibody	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.
Product Categories/Family for anti-PCM1 antibody	Cell Biology
References	Balczon R., Bao L.J. Cell Biol. 124:783-793(1994) Corvi R., Berger N.Oncogene 19:4236-4242(2000) Dammermann A., Merdes A.J. Cell Biol. 159:255-266(2002) Reiter A., Walz C.Cancer Res. 65:2662-2667(2005) Murati A., Gelsi-Boyer V.Leukemia 19:1692-1696(2005) Hames R.S., Crookes R.E.Mol. Biol. Cell 16:1711-1724(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	134142826
NCBI GeneID	5108
NCBI Accession #	NP_006188.3
NCBI GenBank Nucleotide #	NM_006197.3

UniProt Accession #	Q15154; Q58F13; Q6P1K7; Q8NB85; Q9BWC1; Q9H4A2
Molecular Weight	228533
NCBI Official Full Name	pericentriolar material 1 protein
NCBI Official Synonym Full Names	pericentriolar material 1
NCBI Official Symbol	PCM1
NCBI Official Synonym Symbols	PTC4; RET/PCM-1
NCBI Protein Information	pericentriolar material 1 protein
UniProt Protein Name	Pericentriolar material 1 protein
UniProt Gene Name	**PCM1**
UniProt Synonym Gene Names	PCM-1; hPCM-1
UniProt Entry Name	PCM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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