

Mouse CENPH Monoclonal Antibody | anti-CENPH antibody

CENPH antibody

CATALOG # AAA106382	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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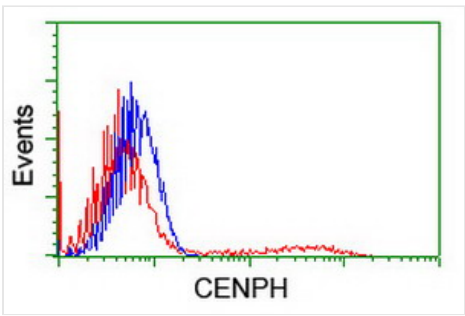
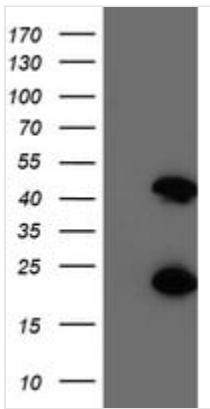
PRODUCT SYNONYMS

CENPH; Monoclonal Antibody; CENPH antibody; Monoclonal CENPH; Anti-CENPH; Centromere Protein H; NNF1; PMF1; anti-CENPH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4G6
Purity/Purification	CENPH antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for anti-CENPH antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. CENPH colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex.
Cross-Reactivity	Human
Immunogen	CENPH antibody was raised in mouse using a full length recombinant protein of human CENPH (NP_075060) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis using CENPH antibodyFlow Cytometric analysis of HEK293T cells transfected with either recombinant CENPH protein (red) or empty vector (blue) stained using CENPH antibody

WB (Western Blot)
Western Blot analysis using CENPH antibodyWestern Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CENPH protein (Right) or empty vector (Left) detected with CENPH antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CENPH antibody	Mouse monoclonal CENPH antibody
Product Categories/Family for anti-CENPH antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	12597655
NCBI GeneID	64946
NCBI Accession #	NP_075060
NCBI GenBank Nucleotide #	NM_022909.3
UniProt Accession #	Q9H3R5; A8K3Y1
Molecular Weight	28,481 Da
NCBI Official Full Name	centromere protein H
NCBI Official Synonym Full Names	centromere protein H
NCBI Official Symbol	CENPH
NCBI Protein Information	centromere protein H
UniProt Protein Name	Centromere protein H
UniProt Gene Name	CENPH
UniProt Synonym Gene Names	CENP-H
UniProt Entry Name	CENPH_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.