

Product Datasheet

CENPQ Antibody - BSA Free

NBP1-42740

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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CENPQ Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

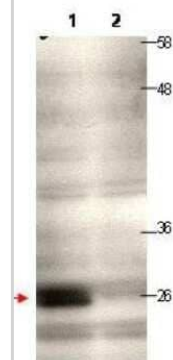
Product Description	
Description	<p>This product was protein A purified from monospecific antiserum by immunoaffinity chromatography using protein A coupled to agarose beads</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	55166
Gene Symbol	CENPQ
Species	Human
Reactivity Notes	A BLAST analysis of the full length sequence was used to suggest partial cross-reactivity with CENPQ based on the following percentage homologies: macaque (91%), horse (76%), bovine (74%), dog (73%), swine (71%), mouse (65%) and rat (60%). Cross-reactivity with CENPQ from other sources has not been determined.
Immunogen	This protein A purified CENPQ Antibody was prepared from whole rabbit serum produced by repeated immunizations with full-length human CENPQ recombinant protein. (Uniprot: Q7L2Z9)

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Recommended Dilutions	Western Blot 1:100-1:500, ELISA 1:5000-1:20000, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Knockdown Validated
Application Notes	This protein A purified antibody has been tested for use in ELISA, immunofluorescence microscopy and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 26-31 kDa in size corresponding to human CENP-Q by western blotting in the appropriate cell lysate or extract.

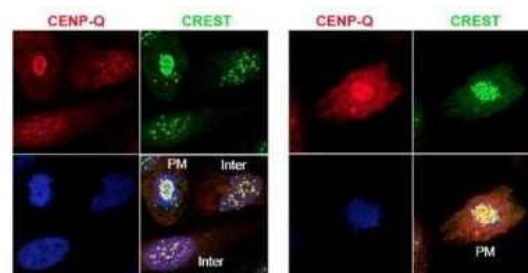


Images

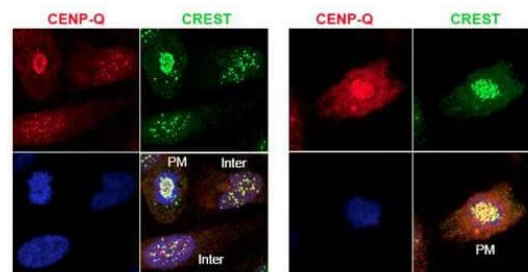
Western Blot: CENPQ Antibody [NBP1-42740] - Lane 1: Lysates from HeLa cells transfected with control sh-virus. Lane 2: Lysates from HeLa cells transfected with Cenp-Q sh-virus.



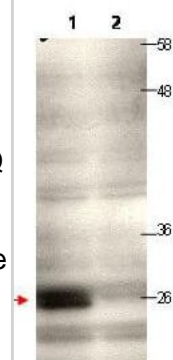
Immunocytochemistry/Immunofluorescence: CENPQ Antibody [NBP1-42740] - Analysis of endogenous CENP-Q in HeLa whole cell lysate. Primary antibody was used at 1:100 followed by secondary antibody diluted 1:150. Red punctate anti-CENP-Q signal colocalizes in overlay images with green punctate anti-CREST signals at the kinetochores (attached points of sister chromatids). Visible are colocalized CENP-Q and CREST signal at various stages of the cell cycle as indicated from interphase to the end of mitosis. Nuclei are counter stained with bisbenzimidide.



Immunofluorescence microscopy using protein A purified anti-CENP-Q antibody shows detection of endogenous CENP-Q in HeLa whole cell lysate. Primary antibody was used at 1:100 followed by secondary antibody diluted 1:150. Red punctate anti-CENP-Q signal colocalizes in overlay images with green punctate anti-CREST signals at the kinetochores (attached points of sister chromatids). Visible are colocalized CENP-Q and CREST signal at various stages of the cell cycle as indicated from interphase to the end of mitosis. Nuclei are counter stained with bisbenzimidide. Personal Communication, Kyung S. Lee, CCR-NCI, Bethesda, MD



Western blot using protein A purified anti-CENP-Q antibody shows detection of endogenous CENP-Q in a HeLa whole cell lysate (lane 1, arrowhead). The blot was incubated for 1.5 hours at room temperature using the primary antibody diluted to 0.5ug/mL, followed by washes and incubation with to the secondary antibody. Lane 1: Lysates from HeLa cells transfected with control sh-virus wherein the expression of CENP-Q is expected to not to alter. Lane 2: Lysates from HeLa cells transfected with Cenp-Q sh-virus wherein the expression of CENP-Q is knocked down significantly to a level where it is not being detected at all under the tested condition/WB exposure time. Personal Communication, Kyung S. Lee, CCR-NCI, Bethesda, MD.





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Products Related to NBP1-42740

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-22768	Recombinant Human CENPQ His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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