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Certificate of Analysis and Data Sheet

Goat Anti-Centromere Protein F

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0316

Accession No.
AAA82889.1; AAA82935.1; AAA86889.1

Target Protein

Principal Names: mitosin, centromere protein F, hcp-1, RP11-262H5.1, centromere protein F, 350/400ka (mitosin), cell-cycle-dependent 350K nuclear protein, centromere protein F (400kD), CENP-F kinetochore protein, AH antigen, mitosin, PRO1779, CENF, centromere protein F (350/400kD, mitosin), CENPF

Official Symbol: CENPF

Accession Number(s): AAA82889.1; AAA82935.1; AAA86889.1

Human GeneID(s): 1063

Important Comments: The immunizing peptide shows one mismatch with the corresponding sequence of the NCBI-curated isoform NP_057427.3.

Immunogen

Peptide with sequence GLESKGSENCKVQ, from the C Terminus of the protein sequence according to AAA82889.1; AAA82935.1; AAA86889.1.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Not yet tested - our routinely used western blotting protocol does not allow detection of proteins as large as the predicted size of approx. 358kDa according to NP_057427. Therefore we cannot recommend an optimal concentration and the product is investigative grade. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Expected from sequence similarity: Human, Cow

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Background Reference

Liao H, Winkfein RJ, Mack G, Rattner JB, Yen TJ.

CENP-F is a protein of the nuclear matrix that assembles onto kinetochores at late G2 and is rapidly degraded after mitosis.

J Cell Biol. 1995 Aug;130(3):507-18.

PMID: 7542657

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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