

Human Condensin complex subunit 3 (NCAPG) ELISA Kit | NCAPG elisa kit

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CATALOG #
AAA246900

REACTIVITY
Human

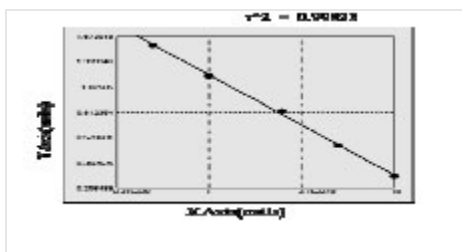
PRODUCT SYNONYMS

Condensin complex subunit 3 (NCAPG); Human Condensin complex subunit 3 (NCAPG) ELISA Kit; NCAPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NCAPG elisa kit

Intended Uses: This NCAPG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NCAPG. This ELISA kit for research use only!

Principle of the Assay||NCAPG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NCAPG antibody and an NCAPG-HRP conjugate. The assay sample and buffer are incubated together with NCAPG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NCAPG concentration since NCAPG from samples and NCAPG-HRP conjugate compete for the anti-NCAPG antibody binding site. Since the number of sites is limited, as more sites are occupied by NCAPG from the sample, fewer sites are left to bind NCAPG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NCAPG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NCAPG elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21359945
NCBI GeneID	64151
NCBI Accession #	NP_071741.2
NCBI GenBank Nucleotide #	NM_022346.4
Molecular Weight	114,334 Da
NCBI Official Full Name	condensin complex subunit 3
NCBI Official Synonym Full Names	non-SMC condensin I complex, subunit G
NCBI Official Symbol	NCAPG
NCBI Official Synonym Symbols	CAPG; CHCG; YCG1; NY-MEL-3
NCBI Protein Information	condensin complex subunit 3; XCAP-G homolog; condensin subunit CAP-G; melanoma antigen NY-MEL-3; chromosome-associated protein G; chromosome condensation protein G
UniProt Protein Name	Condensin complex subunit 3
UniProt Gene Name	NCAPG
UniProt Synonym Gene Names	CAPG; NYMEL3; hCAP-G
UniProt Entry Name	CND3_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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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/condensin-complex-subunit-3-ncapg/246900>