hCAP-G Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	hCAP-G, Polyclonal Antibody
Full Product Name	hCAP-G Polyclonal Antibody
Product Gene Name	anti-hCAP-G antibody
Clonality	Polyclonal
Molecular Weight	114,334 Da
OMIM	606280
3D Structure	ModBase 3D Structure for Q9BPX3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-hCAP-G antibody	MBS8523085 is an antibody targeting hCAP-G. Also known as hCAP-G Polyclonal Antibody.
Other Notes	Small volumes of anti-hCAP-G antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for hCAP-G. It may not necessarily be applicable to this product.

NCBI GI #	21359945
NCBI GeneID	64151
NCBI Accession #	NP_071741.2
UniProt Primary Accession #	Q9BPX3
UniProt Secondary Accession #	Q3MJE0; Q96SV9; Q9BUR3; Q9BVY1; Q9H914; Q9H9Z6; Q9HBI9
UniProt Related Accession #	Q9BPX3
GenBank Nucleotide #	NM_022346.4
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
UniProt Protein Name	Condensin complex subunit 3
UniProt Synonym Protein Names	Chromosome-associated protein G; Condensin subunit CAP-G; hCAP-G; Melanoma antigen NY-MEL-3; Non-SMC condensin I complex subunit G; XCAP-G homolog
UniProt Gene Name	NCAPG
UniProt Synonym Gene Names	CAPG; NYMEL3; hCAP-G
NCBI Protein Information	condensin complex subunit 3

NCBI Summary for hCAP-G	This gene encodes a subunit of the condensin complex, which is responsible for the condensation and stabilization of chromosomes during mitosis and meiosis. Phosphorylation of the encoded protein activates the condensin complex. There are pseudogenes for this gene on chromosomes 8 and 15. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
UniProt Comments for hCAP-G	Regulatory subunit of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.
Research Articles on hCAP-G	**1.** this study demonstrates that NCAPG plays an important role in the development and progression of hepatocellular carcinoma (HCC), and that it may be a novel therapeutic target for patients with HCC.
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