NCAPH2 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	NCAPH2, Monoclonal Antibody
Full Product Name	NCAPH2 Rabbit mAb
Product Gene Name	anti-NCAPH2 antibody
Clonality	Monoclonal
Isotype	IgG
Clone Number	R06-8I5
Host	Rabbit
Species Reactivity	Human
Form/Format	50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purity/Purification	Affinity Purified
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	68,227 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (50946645..50963209). Location: 22q13.33
OMIM	611230
3D Structure	ModBase 3D Structure for Q6IBW4
Immunogen	A synthetic peptide of human NCAPH2
Product Categories/Family for anti-NCAPH2 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NCAPH2 antibody	Western Blot (WB), Immunohistochemistry-Frozen (IHC-F), Immunohistochemistry-Paraffin (IHC-P), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunoprecipitation (IP)
Application Notes for anti-NCAPH2 antibody	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
Related Product Information for anti-NCAPH2 antibody	MBS8603101 is an antibody targeting NCAPH2. Also known as NCAPH2 Rabbit mAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-NCAPH2 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 NCAPH2. It may not necessarily be applicable to this product.

NCBI GI #	297206770
NCBI GeneID	29781

NCBI Accession #	NP_001171940.1
UniProt Primary Accession #	Q6IBW4
UniProt Secondary Accession #	O43788; Q13391; Q96C14; Q96GJ0; Q9BQ71; Q9BUT3; Q9BVD1; B7WPH1
UniProt Related Accession #	Q6IBW4
GenBank Nucleotide #	NM_001185011.1
NCBI Official Full Name	condensin-2 complex subunit H2 isoform 3
NCBI Official Synonym Full Names	non-SMC condensin II complex, subunit H2
NCBI Official Symbol	NCAPH2
NCBI Official Synonym Symbols	CAPH2
UniProt Protein Name	Condensin-2 complex subunit H2
UniProt Synonym Protein Names	Chromosome-associated protein H2; hCAP-H2; Kleisin-beta; Non-SMC condensin II complex subunit H2
UniProt Gene Name	NCAPH2
UniProt Synonym Gene Names	CAPH2; hCAP-H2
UniProt Entry Name	CNDH2_HUMAN
NCBI Protein Information	condensin-2 complex subunit H2; kleisin beta; chromosome-associated protein H2; CAP-H2 subunit of the condensin II complex
NCBI Summary for NCAPH2	This gene encodes one of the non-SMC subunits of the condensin II complex. This complex plays an essential role in mitotic chromosome assembly. Alternate splicing of this gene results in multiple transcript variants.[provided by RefSeq, May 2010]
UniProt Comments for NCAPH2	NCAPH2: Regulatory subunit of the condensin-2 complex, a complex that seems to provide chromosomes with an additional level of organization and rigidity and in establishing mitotic chromosome architecture. May play a role in lineage-specific role in T-cell development. Belongs to the CND2 H2 (condensin-2 subunit 2) family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Endoplasmic reticulum; Cell cycle regulation Chromosomal Location of Human Ortholog: 22q13.33 Cellular Component: nucleoplasm; membrane; chromosome Molecular Function: protein binding Biological Process: chromosome condensation; mitotic cell cycle
Research Articles on NCAPH2	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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