NCAPD3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NCAPD3, Monoclonal Antibody
Full Product Name	NCAPD3 (CAPD3, KIAA0056, Condensin-2 Complex Subunit D3, Non-SMC Condensin II Complex Subunit D3) (MaxLight 550)
Product Gene Name	anti-NCAPD3 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KIAA0056.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	168,891 Da
Immunogen	Full length recombinant corresponding to aa1-341 from KIAA0056 (AAH11408) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRSKPDKDLLMEEDDMALANVVMQEAQKKLISQVQKRNFIENIIPIIISLKTVLEKNKIPALRELMHYLREVMQDYRDELKDFFAVDKQLASELEYDMKKYQE
Conjugate	MaxLight550
Product Categories/Family for anti-NCAPD3 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-NCAPD3 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-NCAPD3 antibody	IHC-P: 2ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-NCAPD3 antibody	MBS6212707 is an antibody targeting NCAPD3. Also known as NCAPD3 (CAPD3, KIAA0056, Condensin-2 Complex Subunit D3, Non-SMC Condensi
Other Notes	Small volumes of anti-NCAPD3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NCAPD3. It may not necessarily be applicable to this product.

NCBI GI #	15277468
NCBI GeneID	23310
NCBI Accession #	BC011408
NCBI Related Accession #	AAH11408
UniProt Secondary Accession #	Q4KMQ9; A6NFS2
UniProt Related Accession #	P42695
NCBI Official Full Name	Homo sapiens non-SMC condensin II complex, subunit D3, mRNA
NCBI Official Synonym Full Names	non-SMC condensin II complex subunit D3
NCBI Official Symbol	NCAPD3
NCBI Official Synonym Symbols	CAPD3; hcp-6; CAP-D3; hHCP-6; hCAP-D3
Protein Family	Condensin-2 complex
NCBI Protein Information	condensin-2 complex subunit D3
NCBI Summary for NCAPD3	Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Both condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 (MIM 605576) and SMC4 (MIM 605575), but they contain different sets of non-SMC subunits. NCAPD3 is 1 of 3 non-SMC subunits that define condensin II (Ono et al., 2003 [PubMed 14532007]).[supplied by OMIM, Mar 2008]
Research Articles on NCAPD3	**1.** CAP-D3 down-regulates transcription of genes that encode amino acid transporters (SLC7A5 and SLC3A2) to promote bacterial autophagy by colon epithelial cells.
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