10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KIAA0056 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant KIAA0056.
Catalog # AT2610a

Product Information

Application	WB, IHC
Primary Accession	P42695
Other Accession	BC011408.1
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1D5
Calculated MW	168891

Additional Information

Gene ID	23310
Other Names	Condensin-2 complex subunit D3, Non-SMC condensin II complex subunit D3, hCAP-D3, NCAPD3, CAPD3, KIAA0056
Target/Specificity	KIAA0056 (AAH11408.1, 1 a.a. ~ 341 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	KIAA0056 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

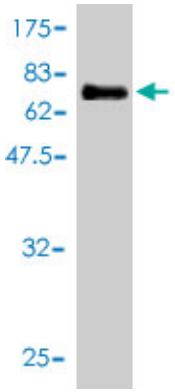
Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Both condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 (MIM 605576) and SMC4 (MIM 605575), but they contain different sets of non-SMC subunits. NCAPD3 is 1 of 3 non-SMC subunits that define condensin II (Ono et al., 2003 [PubMed 14532007]).

References

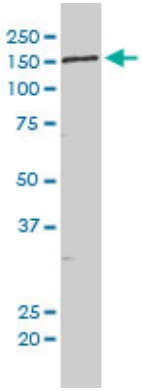
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.The chromosomal association of condensin II is

regulated by a noncatalytic function of PP2A. Takemoto A, et al. Nat Struct Mol Biol, 2009 Dec. PMID 19915589.hCAP-D3 expression marks a prostate cancer subtype with favorable clinical behavior and androgen signaling signature. Lapointe J, et al. Am J Surg Pathol, 2008 Feb. PMID 18223322.Genetic correlates of brain aging on MRI and cognitive test measures: a genome-wide association and linkage analysis in the Framingham Study. Seshadri S, et al. BMC Med Genet, 2007 Sep 19. PMID 17903297.Phosphoproteome analysis of the human mitotic spindle. Nousiainen M, et al. Proc Natl Acad Sci U S A, 2006 Apr 4. PMID 16565220.

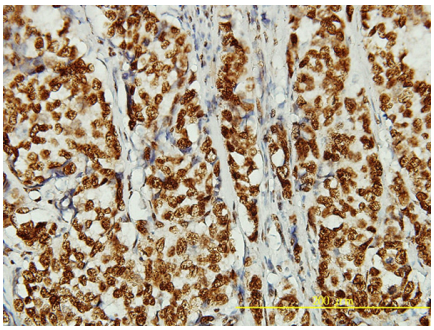
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (63.51 KDa) .



KIAA0056 monoclonal antibody (M01), clone 1D5 Western Blot analysis of KIAA0056 expression in Hela S3 NE ((Cat # AT2610a)



Immunoperoxidase of monoclonal antibody to KIAA0056 on formalin-fixed paraffin-embedded human breast cancer tissue.[antibody concentration 2 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.