

# CETN1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant CETN1.

Catalog # AT1503a

## Product Information

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|-------------------|--------------------------|
| Application       | WB                       |
| Primary Accession | <a href="#">Q12798</a>   |
| Other Accession   | <a href="#">BC029515</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | monoclonal               |
| Isotype           | IgG2a Kappa              |
| Clone Names       | 4C12                     |
| Calculated MW     | 19570                    |

## Additional Information

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|--------------------|---------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 1068                                                                                                                |
| Other Names        | Centrin-1, Caltractin isoform 2, CETN1, CEN1, CETN                                                                  |
| Target/Specificity | CETN1 (AAH29515.1, 16 a.a. ~ 94 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.   |
| Dilution           | WB~~1:500~1000                                                                                                      |
| 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        | CETN1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

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The protein encoded by this gene plays important roles in the determination of centrosome position and segregation, and in the process of microtubule severing. This encoded protein is localized to the centrosome of interphase cells, and redistributes to the region of the spindle poles during mitosis, reflecting the dynamic behavior of the centrosome during the cell cycle.

## References

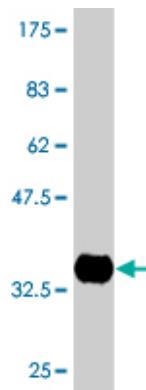
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Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.CP110 cooperates with two calcium-binding proteins to regulate cytokinesis and genome stability. Tsang WY, et al. Mol Biol Cell, 2006 Aug. PMID 16760425.The GIT-associated kinase PAK targets to the

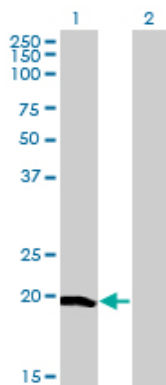
centrosome and regulates Aurora-A. Zhao ZS, et al. Mol Cell, 2005 Oct 28. PMID 16246726. HIV-1 Gag-RNA interaction occurs at a perinuclear/centrosomal site; analysis by confocal microscopy and FRET. Poole E, et al. Traffic, 2005 Sep. PMID 16101678. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

## Images

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Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.32 KDa) .



Western Blot analysis of CETN1 expression in transfected 293T cell line by CETN1 monoclonal antibody (M05), clone 4C12.

Lane 1: CETN1 transfected lysate(19.6 KDa).

Lane 2: Non-transfected lysate.

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