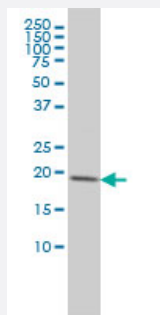


# CETN3 monoclonal antibody (M01), clone 3E6

Catalog # H00001070-M01

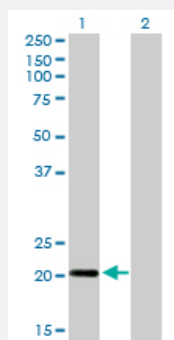
Size 50 ug

## Applications



### Western Blot (Cell lysate)

CETN3 monoclonal antibody (M01), clone 3E6 Western Blot analysis of CETN3 expression in Jurkat ( Cat # L017V1 ).

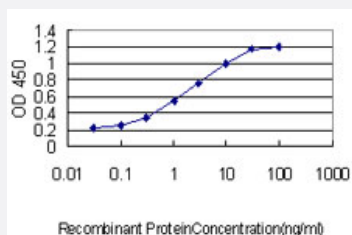


### Western Blot (Transfected lysate)

Western Blot analysis of CETN3 expression in transfected 293T cell line by CETN3 monoclonal antibody (M01), clone 3E6.

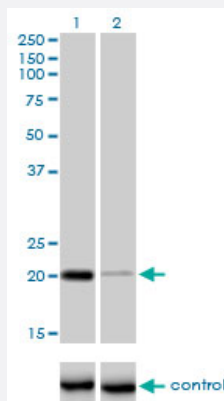
Lane 1: CETN3 transfected lysate(19.5 KDa).

Lane 2: Non-transfected lysate.



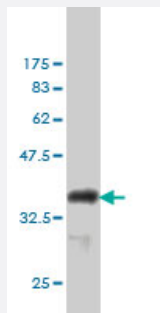
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CETN3 is approximately 0.1ng/ml as a capture antibody.



## RNAi Knockdown (Antibody validated)

Western blot analysis of CETN3 over-expressed 293 cell line, cotransfected with CETN3 Validated Chimera RNAi ( Cat # H00001070-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with CETN3 monoclonal antibody (M01), clone 3E6 (Cat # H00001070-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

|                                |                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a partial recombinant CETN3.                                           |
| <b>Immunogen</b>               | CETN3 (AAH05383, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                | MSLALRSELVVDKTKRKKRRELSEEQKQEIKDAPFELFDTDKDEAIDYHELVKAMRALGFDVKKAD<br>VLKILKDYDREATGKITFEDFNEVVTDWILERDPH       |
| <b>Host</b>                    | Mouse                                                                                                           |
| <b>Reactivity</b>              | Human                                                                                                           |
| <b>Isotype</b>                 | IgG2b Kappa                                                                                                     |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.63 KDa) .        |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                               |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                        |

## Applications

- Western Blot (Cell lysate)

CETN3 monoclonal antibody (M01), clone 3E6 Western Blot analysis of CETN3 expression in Jurkat ( Cat # L017V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CETN3 expression in transfected 293T cell line by CETN3 monoclonal antibody (M01), clone 3E6.

Lane 1: CETN3 transfected lysate(19.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CETN3 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of CETN3 over-expressed 293 cell line, cotransfected with CETN3 Validated Chimera RNAi ( Cat # H00001070-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with CETN3 monoclonal antibody (M01), clone 3E6 (Cat # H00001070-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

[Protocol Download](#)

## Gene Info — CETN3

Entrez GeneID [1070](#)

GeneBank Accession# [BC005383](#)

Protein Accession# [AAH05383](#)

Gene Name CETN3

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | CEN3, MGC12502, MGC138245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description   | centrin, EF-hand protein, 3 (CDC31 homolog, yeast)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">602907</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary       | The protein encoded by this gene contains four EF-hand calcium binding domains, and is a member of the centrin protein family. Centrins are evolutionarily conserved proteins similar to the CDC 31 protein of <i>S. cerevisiae</i> . Yeast CDC31 is located at the centrosome of interphase and mitotic cells, where it plays a fundamental role in centrosome duplication and separation. Multiple forms of the proteins similar to the yeast centrin have been identified in human and other mammalian cells, some of which have been shown to be associated with centrosome fractions. This protein appears to be one of the most abundant centrins associated with centrosome, which suggests a similar function to its yeast counterpart. [provided by RefSeq] |
| Other Designations | CDC31 yeast homolog EF-hand superfamily member centrin 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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Application: IF, Human, RPE-1 cells

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Application: IF, IHC-P, Human, Human cancer tissue, Human normal tissue

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Application: IF, Rat, radial glia progenitor (RGP) cell

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Application: IF, Human, HeLa cells

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Application: IS, Chicken, DT40 cells

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Application: IF, Chicken, DT40 cells

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