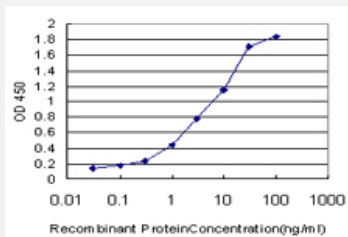


# CETN2 monoclonal antibody (M01), clone 3F8

Catalog # H00001069-M01

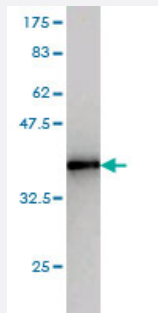
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CETN2 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.42 KDa) .

## Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CETN2.
Immunogen	CETN2 (NP_004335, 85 a.a. ~ 172 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NFGDFLTVM TQKMSEKDTKEEILKAFKLFDDDETGKISFKNLKRVAKELGENLTDEELQEMIDEAD RDGDGEVSEQEFLRIMKKTSLY
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.42 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CETN2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — CETN2

Entrez GeneID	<a href="#">1069</a>
GeneBank Accession#	<a href="#">NM_004344</a>
Protein Accession#	<a href="#">NP_004335</a>
Gene Name	CETN2
Gene Alias	CALT, CEN2
Gene Description	centrin, EF-hand protein, 2
Omim ID	<a href="#">300006</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Caltractin belongs to a family of calcium-binding proteins and is a structural component of the centrosome. The high level of conservation from algae to humans and its association with the centrosome suggested that caltractin plays a fundamental role in the structure and function of the microtubule-organizing center, possibly required for the proper duplication and segregation of the centrosome. [provided by RefSeq]

**Other Designations**

OTTHUMP00000026058|caltractin|caltractin (20kD calcium-binding protein)

## Publication Reference

- [CDK5RAP2 functions in centrosome to spindle pole attachment and DNA damage response.](#)

Barr AR, Kilmartin JV, Gergely F.

The Journal of Cell Biology 2010 Apr; 189(1):23.

Application: IF, Chicken, DT40 cells

## Pathway

- [Nucleotide excision repair](#)