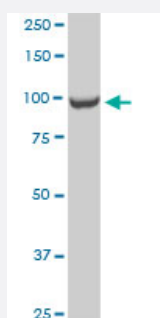


CTDP1 monoclonal antibody (M04), clone 3G4

Catalog # H00009150-M04

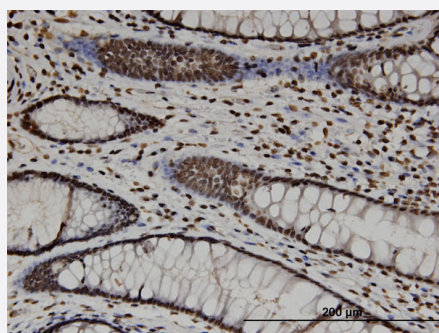
Size 100 ug

Applications



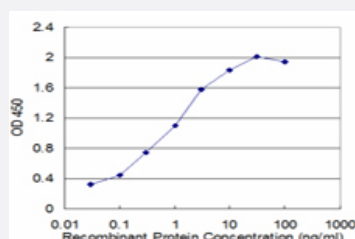
Western Blot (Cell lysate)

CTDP1 monoclonal antibody (M04), clone 3G4. Western Blot analysis of CTDP1 expression in HepG2 (Cat # L019V1).



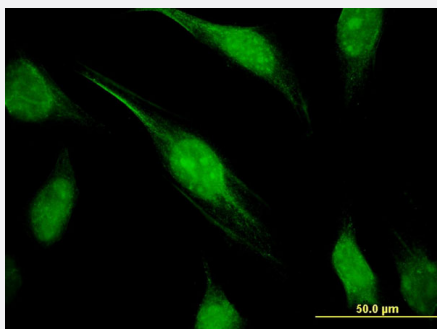
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CTDP1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



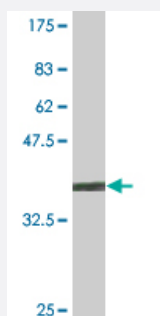
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CTDP1 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CTD1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CTD1.
Immunogen	CTD1 (AAH63447.1, 332 a.a. ~ 431 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPGSRESQTRKKVNHSRGTEVSESPPPVRDPEGVTQAPGVEPSNGLEKPARELNGSEAATPRD SPRPGKPDERDIWPPAQAPTSSQELAGAPEPQGSCAQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (47); Rat (52)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 (Cell lysate)

CTDP1 monoclonal antibody (M04), clone 3G4. Western Blot analysis of CTDP1 expression in HepG2(Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CTDP1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CTDP1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CTDP1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CTDP1

Entrez GeneID	9150
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GeneBank Accession#	BC063447
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Protein Accession#	AAH63447.1
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Gene Name	CTDP1
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Gene Alias	CCFDN, FCP1
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Gene Description	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1
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Omim ID	604168 604927
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Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a protein which interacts with the carboxy-terminus of transcription initiation factor TFIIIF, a transcription factor which regulates elongation as well as initiation by RNA polymerase II. The protein may also represent a component of an RNA polymerase II holoenzyme complex. Alternative splicing of this gene results in two transcript variants encoding 2 different isoforms. [provided by RefSeq]

Other Designations

CTD of POLR2A, phosphatase of, subunit 1|TFIIIF-associating CTD phosphatase 1|serine phosphatase FCP1a|transcription factor IIIF-associating CTD phosphatase 1

Publication Reference

- [Active transcription and essential role of RNA polymerase II at the centromere during mitosis.](#)

Chan FL, Marshall OJ, Saffery R, Kim BW, Earle E, Choo KH, Wong LH.

PNAS 2012 Feb; 109(6):1979.

Application: IF, Human, Mouse, HeLa, NIH/3T3 cells

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Kidney Failure](#)