



Rabbit Anti-Cyclin M3 antibody

SL12045R

Product Name:	Cyclin M3
Chinese Name:	周期素M3抗体
Alias:	ACDP3; Ancient conserved domain containing protein 3; CNNM3; DKFZp434I1016; FLJ20018; Metal transporter CNNM3; CNNM3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	76kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cyclin M3:251-350/707
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Cyclin M3 is a 707 amino acid multi-pass membrane protein that shares weak sequence similarity with cyclin proteins, yet displays no cyclin-like function in vivo. Though ubiquitously expressed, Cyclin M3 is found at highest levels in kidney, brain, spleen and heart. Cyclin M3 is localized to the nucleus where it is likely a metal transporter. Cyclin M3 contains two CBS domains, which appear to bind ligands with an adenosyl group such as AMP, ATP and S-AdoMet and may play a regulatory role in sensitizing

proteins to adenosyl-carrying ligands. There are three isoforms of Cyclin M3 that are produced as a result of alternative splicing events.

Function:

Cyclin M3 is a probable metal transporter. There are three named isoforms.

Subcellular Location:

Integral to plasma membrane; Multi-pass membrane protein

Tissue Specificity:

Widely expressed. Expressed at higher level in heart and spleen.

Similarity:

Belongs to the ACDP family.

Contains 2 CBS domains.

Contains 1 DUF21 domain.

SWISS:

Q8NE01

Gene ID:

26505

Database links:

[Entrez Gene: 26505](#)Human

[Entrez Gene: 94218](#)Mouse

[Entrez Gene: 301345](#)Rat

[Omim: 607804](#)Human

[SwissProt: Q8NE01](#)Human

[SwissProt: Q32NY4](#)Mouse

[Unigene: 711617](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.