

# Immunotag™ Cyclin M2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT1184
Product Description	Immunotag™ Cyclin M2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Cyclin M2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Cyclin M2, at AA range: 540-620
Specificity	Cyclin M2 Polyclonal Antibody detects endogenous levels of Cyclin M2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	CNNM2
Accession No.	Q9H8M5 Q3TWN3 Q5U2P1
Alternate Names	CNNM2; ACDP2; Metal transporter CNNM2; Ancient conserved domain-containing protein 2; Cyclin-M2

## Antibody Specification

Description	cyclin and CBS domain divalent metal cation transport mediator 2(CNNM2) Homo sapiens This gene encodes a member of the ancient conserved domain containing protein family. Members of this protein family contain a cyclin box motif and have structural similarity to the cyclins. The encoded protein may play an important role in magnesium homeostasis by mediating the epithelial transport and renal reabsorption of Mg <sup>2+</sup> . Mutations in this gene are associated with renal hypomagnesemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],
Protein Expression	B-cell,Colon,Placenta,Teratocarcinoma,
Subcellular Localization	integral component of membrane,basolateral plasma membrane,
Protein Function	function:Divalent metal cation transporter. Mediates transport of divalent metal cations in an order of Mg(2+) > Co(2+) > Mn(2+) > Sr(2+) > Ba(2+) > Cu(2+) > Fe(2+).,miscellaneous:Shares weak sequence similarity with the cyclin family, explaining its name. However it has no cyclin-like function in vivo.,similarity:Belongs to the ACDP family.,similarity:Contains 2 CBS domains.,tissue specificity:Widely expressed. Expressed at higher level in brain, kidney and placenta, while it is weakly expressed in skeletal muscle.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.