

Cyclin M2 Polyclonal Antibody

Catalog No: YT1184

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: Cyclin M2

Gene Name: CNNM2

Protein Name : Metal transporter CNNM2

Q9H8M5

Q3TWN3

Human Gene Id: 54805

Human Swiss Prot

No:

Mouse Gene ld: 94219

Mouse Swiss Prot

No:

Rat Gene Id: 294014

Rat Swiss Prot No: Q5U2P1

Immunogen: The antiserum was produced against synthesized peptide derived from human

CNNM2. AA range:571-620

Specificity: Cyclin M2 Polyclonal Antibody detects endogenous levels of Cyclin M2 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 100kD

Background: 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 Mg2+. 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],

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.,

Subcellular Location :

Cell membrane; Multi-pass membrane protein.

Expression: Widely expressed. Expressed at higher level in brain, kidney and placenta, while

it is weakly expressed in skeletal muscle. In the kidney, it is expressed in the

distal convoluted tubule and the thick ascending limb of Henle loop.

Tag: hot

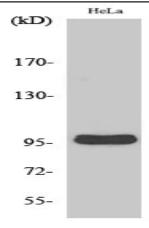
Sort: 4743

No4: 1

Host: Rabbit

Modifications: Unmodified

Products Images



Western Blot analysis of various cells using Cyclin M2 Polyclonal Antibody