

Rabbit CNNM2 Polyclonal Antibody | anti-CNNM2 antibody

CNNM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325368	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CNNM2; Polyclonal Antibody; CNNM2 Antibody; ACDP2; Ancient conserved domain containing protein 2; Ancient conserved domain protein 2; Ancient conserved domain-containing protein 2; CNNM 2; CNNM2_HUMAN; Cyclin M2; Cyclin-M2; Metal transporter CNNM2; OTTHUMP00000020387; OTTHUMP00000020388; anti-CNNM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CNNM2 antibody detects endogenous levels of total CNNM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	875
Applicable Applications for anti-CNNM2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325368 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela cells using CNNM2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CNNM2 antibody	Function: Divalent metal cation transporter. Mediates transport of divalent metal cations in an order of Mg2+ > Co2+ > Mn2+ > Sr2+ > Ba2+ > Cu2+ > Fe2+ (By similarity). Similarity: Belongs to the ACDP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40068053
NCBI GeneID	54805
NCBI Accession #	NP_060119.3
NCBI GenBank Nucleotide #	NM_017649.4
UniProt Accession #	Q9H8M5; Q5T569; Q5T570; Q8WU59; Q9H952; Q9NRK5; Q9NXT4
Molecular Weight	Observed: 100 kD Predicted: 97 kDa
NCBI Official Full Name	metal transporter CNNM2 isoform 1
NCBI Official Synonym Full Names	cyclin and CBS domain divalent metal cation transport mediator 2
NCBI Official Symbol	CNNM2
NCBI Official Synonym Symbols	ACDP2; HOMG6; HOMGSMR
NCBI Protein Information	metal transporter CNNM2
UniProt Protein Name	Metal transporter CNNM2
UniProt Gene Name	CNNM2
UniProt Synonym Gene Names	ACDP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.