

For Research Use Only

# Cubilin Polyclonal antibody

Catalog Number: 31992-1-AP

1 Publications



## Basic Information

Catalog Number:

31992-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35808

GenBank Accession Number:

NM\_001081

GeneID (NCBI):

8029

UNIPROT ID:

O60494

Full Name:

cubilin (intrinsic factor-cobalamin receptor)

Calculated MW:

398kDa

Observed MW:

450 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : mouse kidney tissue,

## Background Information

Cubilin (CUBN) acts as a receptor for intrinsic factor-vitamin B12 complexes. Cubilin is located within the epithelium of intestine and kidney. Mutations in CUBN may play a role in autosomal recessive megaloblastic anemia. Cubilin is an endocytic receptor which plays a role in lipoprotein, vitamin and iron metabolism by facilitating their uptake (PMID: 9572993). Cubilin Acts together with LRP2 to mediate endocytosis of high-density lipoproteins, GC, hemoglobin, ALB, TF and SCGB1A1, which also acts together with AMN to mediate endocytosis of the CBLIF-cobalamin complex (PMID: 14576052). There are multiple glycosylation sites on Cubilin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Li Zhang	38961491	Arthritis Res Ther	IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

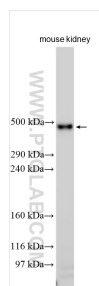
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31992-1-AP (CUBN antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.