

For Research Use Only

CYP24A1 Recombinant antibody

Catalog Number:84821-3-RR



Basic Information

Catalog Number:

84821-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17089

GenBank Accession Number:

BC109083

GeneID (NCBI):

1591

UNIPROT ID:

Q07973

Full Name:

cytochrome P450, family 24, subfamily A, polypeptide 1

Calculated MW:

514 aa, 59 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

242142F2

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : rat thymus tissue, A549 cells, HeLa cells, A431 cells, rat lung tissue

Background Information

CYP24A1(1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial) catalyzes the NADPH-dependent 24-hydroxylation of calcidiol (25-hydroxyvitamin D3) and 1-alpha,25-dihydroxyvitamin D3. Cholecalciferol is metabolized by the 25-hydroxylases (CYP2R1 and CYP27A1) in the liver before 25-hydroxycholecalciferol (25(OH)D3) relocates to the circulation (PMID:20362668). The gene CYP24A1 has three isoforms, for the transit peptide "mitochondrial domain" removed, the MW of CYP24A1 will be 55-59 kDa, 47-51 kDa, and 43 kDa. This antibody is specific to CYP24A1.

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

For technical support and original validation data for this product please contact:

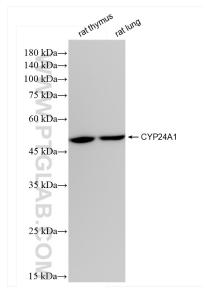
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84821-3-RR (CYP24A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.