

For Research Use Only

# CYP24A1 Recombinant antibody, PBS Only

Catalog Number: 84821-3-PBS



## Basic Information

<b>Catalog Number:</b> 84821-3-PBS	<b>GenBank Accession Number:</b> BC109083	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 1591	<b>CloneNo.:</b> 242142F2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07973	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome P450, family 24, subfamily A, polypeptide 1	
<b>Immunogen Catalog Number:</b> AG17089	<b>Calculated MW:</b> 514 aa, 59 kDa	
	<b>Observed MW:</b> 51 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

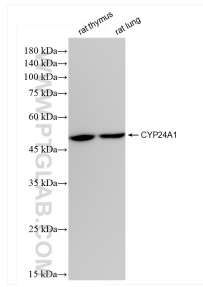
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**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. This data was developed using the same antibody clone with 84821-3-PBS in a different storage buffer formulation.