

For Research Use Only

CYP24A1 Recombinant antibody

Catalog Number:84821-3-RR



Basic Information

Catalog Number: 84821-3-RR	GenBank Accession Number: BC109083	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1591	CloneNo.: 242142F2
Source: Rabbit	UNIPROT ID: Q07973	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: cytochrome P450, family 24, subfamily A, polypeptide 1	
Immunogen Catalog Number: AG17089	Calculated MW: 514 aa, 59 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat thymus tissue, A549 cells, HeLa cells, A431 cells, rat lung tissue
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 -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

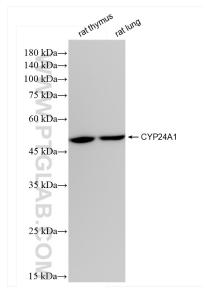
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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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.