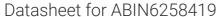
## antibodies - online.com







## anti-CYP24A1 antibody (C-Term)

**Images** 

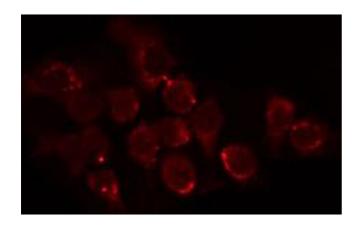


$\sim$	
( )\/\	rview
$\cup$	

Overview	
Quantity:	100 μL
Target:	CYP24A1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP24A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)
Product Details	
Immunogen:	A synthesized peptide derived from human Cytochrome P450 24A1, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Cytochrome P450 24A1 Antibody detects endogenous levels of total Cytochrome P450 24A1.
Predicted Reactivity:	Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	CYP24A1

Target Details		
Alternative Name:	CYP24A1 (CYP24A1 Products)	
Background:	Description: Has a role in maintaining calcium homeostasis. Catalyzes the adrenodoxin-	
	dependent 24-hydroxylation of calcidiol (25-hydroxyvitamin D3) and calcitriol (1-alpha,25-	
	dihydroxyvitamin D3). The enzyme can perform up to 6 rounds of hydroxylation of calcitriol	
	leading to calcitroic acid. It also shows 23-hydroxylating activity leading to 1-alpha,25-	
	dihydroxyvitamin D3-26,23-lactone as end product.	
	Gene: CYP24A1	
Molecular Weight:	60 kDa	
Gene ID:	1591	
UniProt:	Q07973	
Pathways:	Metabolism of Steroid Hormones and Vitamin D	
Application Details		
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %	
	alvoerol	

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



# kDa 1 2 250— 150— 100— 75— 50— 37— 25— 20— 15—

## Immunofluorescence (fixed cells)

**Image 1.** ABIN6274639 staining HuvEc 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°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

### **Western Blotting**

**Image 2.** Western blot analysis of extracts from HUVEC cells, using Cytochrome P450 24A1 antibody. The lane on the left is treated with the antigen-specific peptide.