

Datasheet for ABIN750842

**anti-CYP24A1 antibody (AA 351-450) (Cy5)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | CYP24A1                                                                                                 |
| Binding Specificity: | AA 351-450                                                                                              |
| Reactivity:          | Human, Mouse                                                                                            |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This CYP24A1 antibody is conjugated to Cy5                                                              |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CYP24A1 |
| Isotype:              | IgG                                                         |
| Cross-Reactivity:     | Human, Mouse                                                |
| Predicted Reactivity: | Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit                        |
| Purification:         | Purified by Protein A.                                      |

## Target Details

|                   |                                              |
|-------------------|----------------------------------------------|
| Target:           | CYP24A1                                      |
| Alternative Name: | CYP24A1 ( <a href="#">CYP24A1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: CP24, HCAI, CYP24, P450-CC24, 1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial, 24-OHase, Vitamin D(3) 24-hydroxylase, Cytochrome P450 24A1, Cytochrome P450-CC24, CYP24A1</p> <p>Background: Has a role in maintaining calcium homeostasis. Catalyzes the NADPH-dependent 24-hydroxylation of calcidiol (25-hydroxyvitamin D(3)) and calcitriol (1-alpha,25-dihydroxyvitamin D(3)). 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 D(3)-26,23-lactone as end product.</p> |
| Gene ID:    | 1591                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt:    | <a href="#">Q07973</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pathways:   | <a href="#">Metabolism of Steroid Hormones and Vitamin D</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Application Details

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions:      | For Research Use only                                                       |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |