

Datasheet for ABIN7214414  
**anti-Aromatase antibody (AA 190-270)**



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2 Images

## Overview

Quantity:	100 µL
Target:	Aromatase (CYP19A1)
Binding Specificity:	AA 190-270
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aromatase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Purpose:	CYP19A1 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the Internal region of human CYP19A1 at AA range: 190-270
Isotype:	IgG
Specificity:	CYP19A1 Polyclonal Antibody detects endogenous levels of CYP19A1 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	Aromatase (CYP19A1)
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## Target Details

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Alternative Name:	<a href="#">CYP19A1 (CYP19A1 Products)</a>
Background:	Rabbit Anti-CYP19A1 Polyclonal Antibody, CYP19A1, ARO1, CYAR, CYP19, Cytochrome P450 19A1, Aromatase, CYPXIX, Cytochrome P-450AROM, Estrogen synthase, CYP19A1 encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis. Mutations in this gene can result in either increased or decreased aromatase activity, the associated phenotypes suggest that estrogen functions both as a sex steroid hormone and in growth or differentiation. Alternative splicing results in multiple transcript variants. Cytochrome P450 19A1
Molecular Weight:	observed band 53kDa
Gene ID:	1588
UniProt:	<a href="#">P11511</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:20000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

## Handling

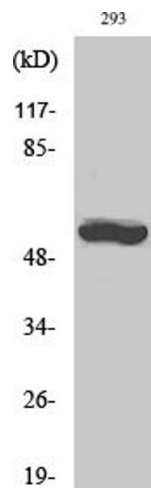
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

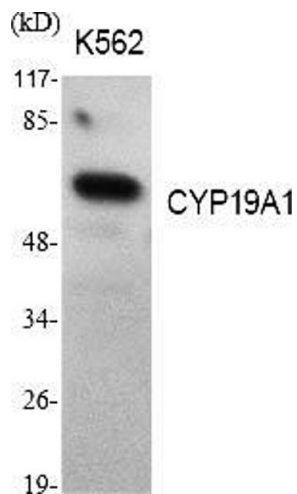
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western Blot analysis of 293 cells using CYP19A1 Polyclonal Antibody diluted at 1:1000.



### Western Blotting

**Image 2.** Western Blot analysis of various cells using CYP19A1 Polyclonal Antibody diluted at 1:1000.