

Datasheet for ABIN391456

## anti-Aromatase antibody (AA 221-253)



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### 1 Image

#### Overview

Quantity:	400 µL
Target:	Aromatase (CYP19A1)
Binding Specificity:	AA 221-253
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aromatase antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This Aromatase (CYP19A1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-253 amino acids from the Central region of human Aromatase (CYP19A1).
Clone:	RB14619
Isotype:	Ig Fraction
Predicted Reactivity:	Rb
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Target Details

Target:	Aromatase (CYP19A1)
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## Target Details

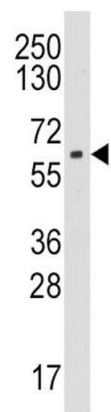
Alternative Name:	Aromatase (CYP19A1) ( <a href="#">CYP19A1 Products</a> )
Background:	CYP19A1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis, three successive hydroxylations of the A ring of androgens. 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.
Molecular Weight:	57883
Gene ID:	1588
NCBI Accession:	<a href="#">NP_000094</a> , <a href="#">NP_112503</a>
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

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

**Image 1.** Western blot analysis of anti-CYP19A1(Center) Pab (ABIN391456 and ABIN2841433) in HL60 cell line lysates (35 µg/lane). CYP19A1(arrow) was detected using the purified Pab.