

Datasheet for ABIN3030682

**anti-Aromatase antibody (AA 221-253)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.4 mL
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), ELISA

## Product Details

Immunogen:	A portion of amino acids 221-253 from the human protein was used as the immunogen for this Aromatase antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rabbit
Purification:	Purified

## Target Details

Target:	Aromatase (CYP19A1)
Alternative Name:	Aromatase ( <a href="#">CYP19A1 Products</a> )
Background:	CYP19A1/Aromatase is a member of the cytochrome P450 superfamily of enzymes. The

## Target Details

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.

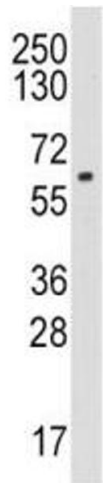
UniProt:	<a href="#">P11511</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	Titration of the Aromatase antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

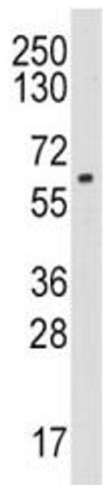
## Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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
Storage Comment:	Aliquot the Aromatase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of CYP19A1 / Aromatase antibody and HL-60 lysate



Western Blotting

**Image 2.** Western blot analysis of CYP19A1 / Aromatase antibody and HL-60 lysate