



Datasheet for ABIN674536

## anti-Aromatase antibody (AA 41-140) (FITC)



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### 1 Publication

#### Overview

Quantity:	100 µL
Target:	Aromatase (CYP19A1)
Binding Specificity:	AA 41-140
Reactivity:	Human, Rat, Mouse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aromatase antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc))

#### Product Details

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

#### Target Details

Target:	Aromatase (CYP19A1)
Alternative Name:	Aromatase ( <a href="#">CYP19A1 Products</a> )

## Target Details

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Background:	<p>Synonyms: ARO, ARO1, CPV1, CYAR, CYP19, CYPXIX, P-45AROM, Aromatase, Cytochrome P-45AROM, Cytochrome P45 19A1, Estrogen synthase, CYP19A1</p> <p>Background: This gene 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, 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. The gene expresses two transcript variants. Belongs to the cytochrome P450 family.</p>
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:	<p>FCM 1:20-100</p> <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

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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

## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months

## Publications

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Product cited in: Lan, Chen, Jan, Chen, Ho: "Differentiation of human embryonic stem cells into functional ovarian granulosa-like cells." in: **The Journal of clinical endocrinology and metabolism**, Vol. 98, Issue 9, pp. 3713-23, (2013) ([PubMed](#)).