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# anti-Aromatase antibody

3 Images



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#### Overview

Quantity:	60 μL
Target:	Aromatase (CYP19A1)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aromatase antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	Recombinant fusion protein of human Aromatase (NP_000094.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	Aromatase (CYP19A1)
Alternative Name:	Aromatase (CYP19A1 Products)
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. Mutations

#### **Target Details**

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 promoter use and alternative splicing results in multiple transcript variants that have different tissue specificities.

Gene ID: 1588

UniProt: P11511

Pathways: Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, C21-Steroid

Hormone Metabolic Process, Carbohydrate Homeostasis

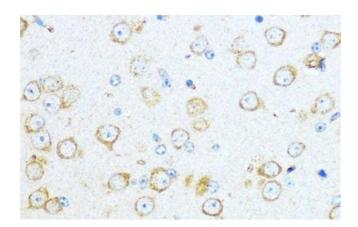
#### **Application Details**

Application Notes: IHC 1:50-1:200

Restrictions: For Research Use only

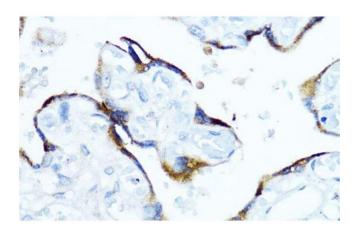
#### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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:	Store at -20°C. Avoid freeze / thaw cycles.



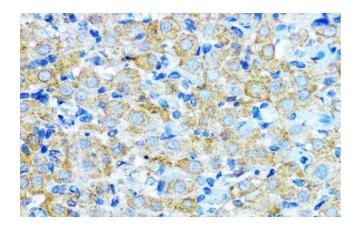
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse brain using Aromatase Polyclonal Antibody at dilution of 1:100 (40x lens).



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded Human placenta using Aromatase Polyclonal Antibody at dilution of 1:100 (40x lens).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Rat ovary using Aromatase Polyclonal Antibody at dilution of 1:100 (40x lens).