

# Aromatase Rabbit Polyclonal Antibody



**CAB12684**

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

48kDa

### Calculated MW:

24kDa/57kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:1000 - 1:2000 IHC  
1:50 - 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 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.

## Immunogen information

### Gene ID:

1588

### Uniprot

P11511

### Synonyms:

CYP19A1; ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM; aromatase; Aromatase

### Immunogen:

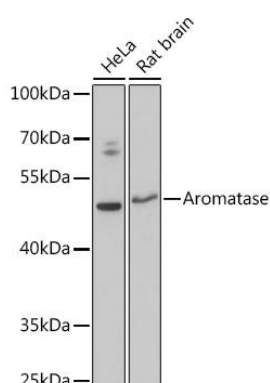
Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human Aromatase (NP\_000094.2).

### Storage:

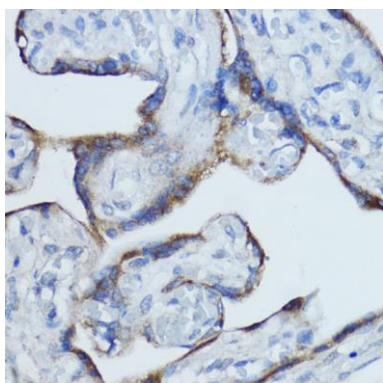
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

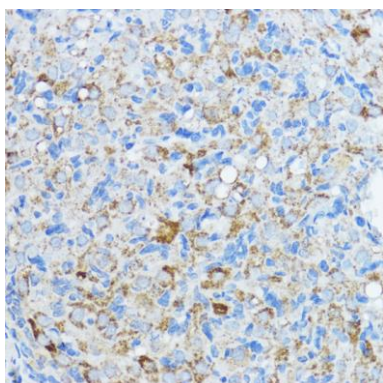
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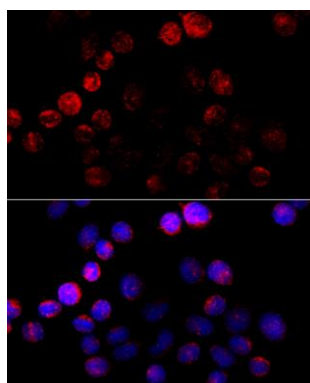
Western blot analysis of extracts of various cell lines, using Aromatase antibody (CAB12684) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 20s.



Immunohistochemistry of paraffin-embedded human placenta using Aromatase antibody (CAB12684) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat ovary using Aromatase antibody (CAB12684) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using Aromatase antibody (CAB12684) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.