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# **Recombinant anti-Aromatase antibody**

3 Images



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#### Overview

Quantity:	100 μL
Target:	Aromatase (CYP19A1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Aromatase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## **Product Details**

Immunogen:	A synthesized peptide derived from human CYP19A1
Clone:	1H1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

# Target Details

Target:	Aromatase (CYP19A1)
Alternative Name:	CYP19A1 (CYP19A1 Products)
Background:	Background: Catalyzes the formation of aromatic C18 estrogens from C19 androgens.

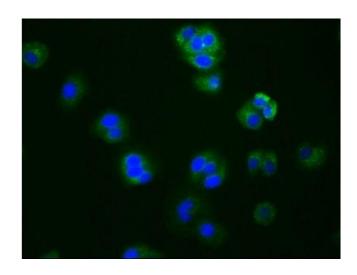
# **Target Details**

	Aliases: Aromatase, CYPXIX, Cytochrome P-450AROM, Cytochrome P450 19A1, Estrogen synthase, CYP19A1, ARO1, CYAR, CYP19
UniProt:	P11511
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, C21-Steroid Hormone Metabolic Process, Carbohydrate Homeostasis

# **Application Details**

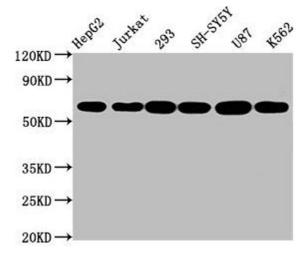
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IF:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

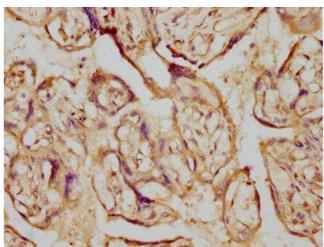
## Images



#### **Immunofluorescence**

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7127445 at 1:76, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).





#### **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: HepG2 whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate, SH-SY5Y whole cell lysate, U87 whole cell lysate, K562 whole cell lysate All lanes: CYP19A1 antibody at 2.3  $\mu$  g/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 58, 25 KDa Observed band size: 58 KDa

#### **Immunohistochemistry**

Image 3. IHC image of ABIN7127445 diluted at 1:230 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30 min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.