

**产品名称: Aromatase (4R11) Rabbit Monoclonal Antibody**

**产品货号: AMRe07154**

### 产品概述 (Summary)

|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 描述(Description)   | Recombinant rabbit monoclonal antibody                                                                                      |
| 宿主(Host)          | Rabbit                                                                                                                      |
| 应用(Application)   | WB,IP                                                                                                                       |
| 种属反应(Reactivity)  | Human,Rat                                                                                                                   |
| 偶联物(Conjugation)  | Unconjugated                                                                                                                |
| 修饰(Modification)  | Unmodified                                                                                                                  |
| 同种型(Isotype)      | IgG                                                                                                                         |
| 克隆(Clonality)     | Monoclonal                                                                                                                  |
| 剂型(Form)          | Liquid                                                                                                                      |
| 保存条件(Storage)     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                    |
| 储存溶液(Buffer)      | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein. |
| 纯化 (Purification) | Affinity purification                                                                                                       |

### 产品应用(Application)

|                       |                               |
|-----------------------|-------------------------------|
| 稀释比(Dilution Ratio)   | WB 1:1000-1:5000,IP 1:20-1:50 |
| 分子量(Molecular Weight) | 58kDa                         |

### 抗原信息(Antigen Information)

|                       |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| 基因名(Gene Name)        | CYP19A1                                                                                                       |
| 别名(Alternative Names) | Aromatase; CYPXIX; Cytochrome P-450AROM; Cytochrome P450 19A1; Estrogen synthase; CYP19A1; ARO1; CYAR; CYP19; |
| 基因 ID(Gene ID)        | 1588.0                                                                                                        |
| SwissProt ID          | P11511                                                                                                        |
| 免疫原(Immunogen)        | A synthetic peptide of human Aromatase                                                                        |

### 研究背景 (Background)

Catalyzes the formation of aromatic C18 estrogens from C19 androgens. A cytochrome P450 monooxygenase that catalyzes the conversion of C19 androgens, androst-4-ene-3,17-dione (androstenedione) and testosterone to the C18 estrogens,

estrone and estradiol, respectively (PubMed:27702664, PubMed:2848247). Catalyzes three successive oxidations of C19 androgens: two conventional oxidations at C19 yielding 19-hydroxy and 19-oxo/19-aldehyde derivatives, followed by a third oxidative aromatization step that involves C1-beta hydrogen abstraction combined with cleavage of the C10-C19 bond to yield a phenolic A ring and formic acid (PubMed:20385561). Alternatively, the third oxidative reaction yields a 19-norsteroid and formic acid. Converts dihydrotestosterone to delta1,10-dehydro 19- nordihydrotestosterone and may play a role in homeostasis of this potent androgen (PubMed:22773874). Also displays 2-hydroxylase activity toward estrone (PubMed:22773874). Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase) (PubMed:20385561, PubMed:22773874).

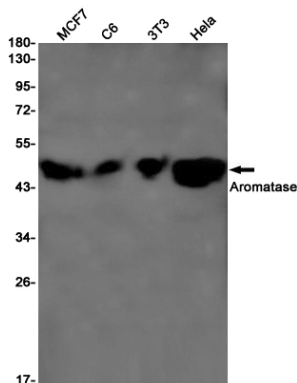
### 研究领域 (Research Area)

Steroid hormone biosynthesis; Androgen and estrogen metabolism;

### 注意事项 (Note)

For research use only.

### 图片 (Image Data)



Western blot detection of Aromatase in MCF7,C6,3T3,HeLa cell lysates using Aromatase antibody(1:1000 diluted).

## EnkiLife 优势产品推荐

| 产品类别                        | 产品货号     | 产品名称                                               |
|-----------------------------|----------|----------------------------------------------------|
| WB 解决方案                     | RA10020  | 2h 极速 WB 即用型全流程试剂盒                                 |
|                             | RA10021  | 4h 快速 WB 即用型全流程试剂盒                                 |
|                             | RA10042  | 5h 畅享版 WB 全流程试剂盒                                   |
|                             | RA10037  | 校准级彩色预染蛋白 Marker (8-180kDa)                        |
|                             | RA10038  | 校准级彩色预染蛋白 Marker (10-250kDa)                       |
|                             | RA10039  | 校准级高分子彩色预染蛋白 Marker (25-400kDa)                    |
| TSA 多重荧光染色试剂盒               | RA10008  | TSA 双标三色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10009  | TSA 三标四色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10010  | TSA 四标五色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10011  | TSA 五标六色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10012  | TSA 六标七色多重荧光染色试剂盒 (mIHC)                           |
| IHC 检测试剂盒                   | RA10006  | HRP Anti-Mouse/Rabbit IHC Detection System         |
|                             | RA10007  | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒                     | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒                                |
|                             | RE80002q | Sulfo-NHS-生物素标记试剂盒                                 |
|                             | RE80007p | Cy3 荧光素标记试剂盒                                       |
|                             | RE80011p | Fluor488 荧光素标记试剂盒                                  |
|                             | RE80017p | Fluor750 荧光素标记试剂盒                                  |
|                             | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒                               |
|                             | RE80040  | PE-Cy7 串联染料抗体快速标记试剂盒                               |
| 稳转细胞系构建服务<br>(免费赠送全膜 WB 验证) | TS-0001  | 过表达稳转细胞系构建                                         |
|                             | TS-0002  | 敲低稳转细胞系构建                                          |
|                             | TS-0003  | 敲除细胞系构建                                            |

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