

Anti-Aromatase Antibody [JM10-68]

ET1703-77



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Rat
Applications:	WB, IP
Molecular Wt:	Predicted band size: 58 kDa
Clone number:	JM10-68

Description: P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds. P450 enzymes can be classified, based on their sequence similarities, into distinct subfamilies, which include CYP1A and CYP2A. Other P450 family members include CYP19, also designated aromatase (P450arom), which catalyzes the conversion of C19 steroids to estrogens in various tissues, including placenta, gonads, adipose tissue, skin and brain. CYP19 expression is controlled by hormonally regulated promoters in different tissues and increased CYP19 activity is associated with familial gynecomastia. Also, a polymorphic allele of CYP19 (repeat (TTTA)₁₂) is present in a majority of breast cancer patients. P450 cholesterol 7 α -hydroxylase, CYP7A1, is the rate-limiting enzyme of bile acid synthesis in the liver, and its expression is mediated by the bile acid receptor FXR. CYP27A1 catalyzes vitamin D3 25-hydroxylation and is localized to the mitochondria in kidney and liver.

Immunogen: Synthetic peptide within Human Aromatase aa 23-63 / 503.

Positive control: JAR cell lysate, Jurkat cell lysate.

Subcellular location: Endoplasmic reticulum membrane, Microsome membrane.

Database links: SwissProt: P11511 Human | P22443 Rat

Recommended Dilutions:

WB	1:500-1:2,000
IP	1:10-1:50

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

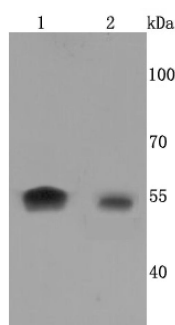


Fig1: Western blot analysis of Aromatase on different cells lysates using anti-Aromatase antibody at 1/500 dilution.

Positive control:

Lane 1: JAR cell lysate

Lane 2: Jurkat cell lysate

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Khan KN et al. Occult microscopic endometriosis: undetectable by laparoscopy in normal peritoneum. Hum Reprod 29:462-72 (2014).
2. Ren J et al. Estrogen upregulates MICA/B expression in human non-small cell lung cancer through the regulation of ADAM17. Cell Mol Immunol N/A:N/A (2014).

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