

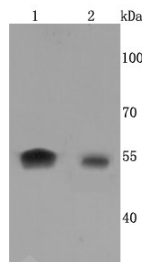
## Anti-Aromatase/CYP19A1 Antibody (3T740)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 58 kDa.
Clone:	3T740
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Western blot analysis of Aromatase on different cells lysates using anti-Aromatase antibody at 1/500 dilution. Positive control: Lane 1: JAR, Lane 2: Jurkat.



Application:	IP,WB
Recommended	WB: 1:500-2000; IP: 1:10-50

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P11511

## Research Background

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)<sub>12</sub>) is present in a majority of breast cancer patients. P450 cholesterol 7 $\alpha$ -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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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