Aromatase Rabbit mAb

Catalog No: #49490

Package Size: #49490-1 50ul #49490-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

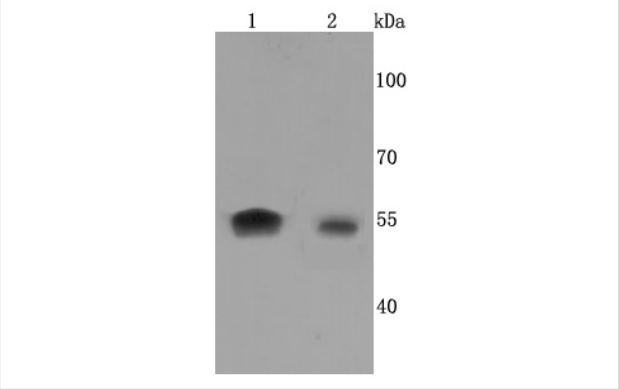
Description

Product Name	Aromatase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-68
Purification	ProA affinity purified
Applications	WB,IP
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Other Names	ARO antibody ARO1 antibody Aromatase antibody CP19A_HUMAN antibody CPV1 antibody CYAR antibody CYP19 antibody Cyp19a1 antibody CYPXIX antibody Cytochrome P-450AROM antibody Cytochrome P450 19A1 antibody Cytochrome P450, family 19, subfamily A, polypeptide 1 antibody Cytochrome P450, subfamily XIX (aromatization of androgens) antibody Estrogen synthase antibody Estrogen synthetase antibody Flavoprotein linked monooxygenase antibody MGC104309 antibody Microsomal monooxygenase antibody OTTHUMP00000162543 antibody OTTHUMP00000198350 antibody P 450AROM antibody
Accession No.	Swiss-Prot#:P11511
Uniprot	P11511
GeneID	1588;
Calculated MW	58 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

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

Images



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

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)12) is present in a majority of breast cancer patients. P450 cholesterol 7α-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.

References

Note: This product is for in vitro research use only