

Rabbit anti-Human Aromatase Polyclonal Antibody | anti-CYP19A1 antibody

Anti-Aromatase antibody

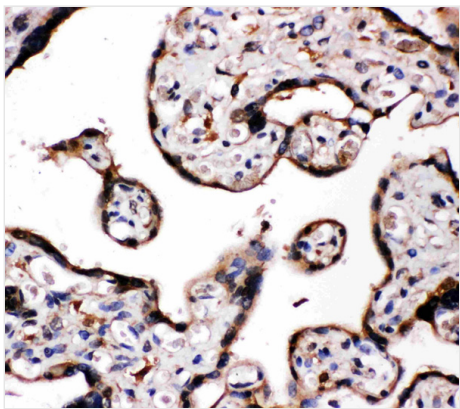
CATALOG # AAA45174	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
------------------------------	-----------------------	----------------------------	-------------------------------------

PRODUCT SYNONYMS

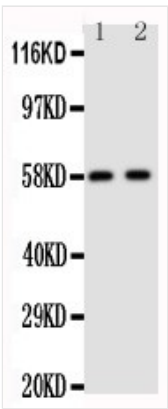
Aromatase; Polyclonal Antibody; Anti-Aromatase antibody; Cytochrome P450 19A1; cytochrome P450; family 19; subfamily A; polypeptide 1; ARO 1 antibody; ARO antibody; ARO1 antibody; Aromatase antibody; CP19A_HUMAN antibody; CPV antibody; CPV1 antibody; CYAR antibody; CYP19 antibody; CYP19A1 antibody; CYPXIX antibody; Cytochrome P-450AROM antibody; Cytochrome P450 19A1 antibody; Cytochrome P450 family 19 subfamily A polypeptide 1 antibody; Cytochrome P450; polypeptide 1 antibody; 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; P450AROM antibody; anti-CYP19A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	503
Applicable Applications for anti-CYP19A1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Aromatase (485-503aa KNMLEMIFTPRNSDRCLEH).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti-Aromatase antibody, AAA45174, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)
Anti-Aromatase antibody, AAA45174, Western blottingLane 1: Human Placenta Tissue LysateLane 2: Human Placenta Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CYP19A1 antibody

Aromatase is an enzyme responsible for a key step in the biosynthesis of estrogens. It is a member of the cytochrome P450 superfamily, which are monooxygenases that catalyze many reactions involved in steroidogenesis. In particular, aromatase is responsible for the aromatization of androgens into estrogens. The CYP19 gene spans at least 70 kb of genomic DNA and contains 10 exons. By in situ hybridization, the ARO gene is mapped to 15q21.1. The aromatase enzyme can be found in many tissues including gonads, brain, adipose tissue, placenta, blood vessels, skin, bone, and endometrium, as well as in tissue of endometriosis, uterine fibroids, breast cancer, and endometrial cancer. It is an important factor in sexual development. Some bodybuilders taking steroids also take antiaromatase supplements to prevent excess testosterone conversion into estrogens, which can cause gynecomastia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117293
NCBI GeneID	1588
UniProt Accession #	P11511; Q16731; Q3B764; Q58FA0; Q8IYJ7
NCBI Official Full Name	Aromatase
NCBI Official Synonym Full Names	cytochrome P450, family 19, subfamily A, polypeptide 1
NCBI Official Symbol	CYP19A1
NCBI Official Synonym Symbols	ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM
NCBI Protein Information	aromatase; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; cytochrome P450 19A1; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily XIX (aromatization of androgens)
UniProt Protein Name	Aromatase
UniProt Gene Name	CYP19A1
UniProt Synonym Gene Names	ARO1; CYAR; CYP19
UniProt Entry Name	CP19A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.