

Polyclonal Antibody to Aromatase (Center) - Purified

Alternate names:	ARO1, CYAR, CYP19, CYP19A1, CYPXIX, Cytochrome P450 19A1, Estrogen synthetase, P450AROM
Catalog No.:	AP14030PU-N
Quantity:	0.4 ml
Concentration:	lot specific
Background:	CYP19A1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis, three successive hydroxylations of the A ring of androgens. Mutations in this gene can result in either increased or decreased aromatase activity; the associated phenotypes suggest that estrogen functions both as a sex steroid hormone and in growth or differentiation.
Uniprot ID:	P11511
NCBI:	9606
GeneID:	1588
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 230~259 amino acids from Human CYP19A1.
Format:	State: Liquid purified Ig Purification: Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Aromatase (CYP19A1). Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Ikeda, S., Am. J. Gastroenterol. 103 (6), 1476-1487 (2008) 2. Dos Santos, (er) DNA Cell Biol. (2008) In press 3. Nelson, Pharmacogenetics 14 (1), 1-18 (2004)

Pictures:

AP14030PU-N CYP19A1 antibody staining of HL60 cell line lysates by Western blot (35 µg/lane). CYP19A1 (arrow) was detected using the purified antibody at 1/60 dilution.

