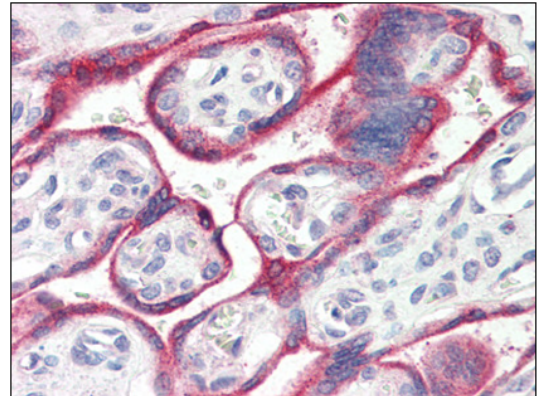


Polyclonal Antibody to Aromatase (475-486) - Aff - Purified

Alternate names:	ARO1, CYAR, CYP19, CYP19A1, CYPXIX, Cytochrome P450 19A1, Estrogen synthetase, P450AROM
Catalog No.:	AP22508PU-N
Quantity:	50 µg
Concentration:	0.5 mg/ml
Background:	Aromatase, also known as estrogen synthetase, is a P450 enzyme that catalyzes the formation of aromatic C18 estrogens from C19 androgens. Aromatase is present in many tissues including skin, muscle, brain, adipose, and placenta where it may contribute to sex-specific differences in cellular metabolism.
Uniprot ID:	P11511
NCBI:	NP_000094
GeneID:	1588
Host:	Goat
Immunogen:	Synthetic peptide from internal region of human CYP19A1 Genename: CYP19A1 AA Sequence: C-HDLSLHPDETKN Remarks: Percent identity by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey (92%)
Format:	State: Liquid Ig fraction Purification: Immunoaffinity chromatography Buffer System: Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide
Applications:	Western blot (0.1 - 0.3 g/ml). ELISA (1:128000). Immunohistochemistry on paraffin sections (4 µg/ml; after heat induced antigen retrieval in pH 6.0 citrate buffer). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Aromatase at aa 475-486. It is expected to recognise both reported isoforms (NP_000094.2 and NP_112503.1), which are identical.
Species Reactivity:	Tested: Human, Gorilla, Gibbon, Monkey

Storage: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures: Human Placenta (formalin-fixed, paraffin-embedded) stained with CYP19A1 antibody AP22508PU-N at 4 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Antibody (0.1 µg/ml) staining of Human Placenta lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

