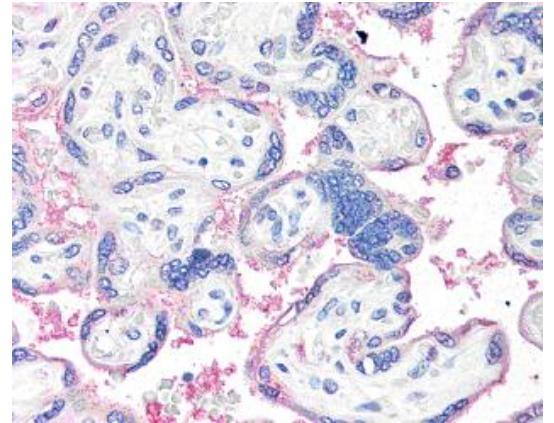


AP00001PU-N**Polyclonal Antibody to Aromatase - Purified**

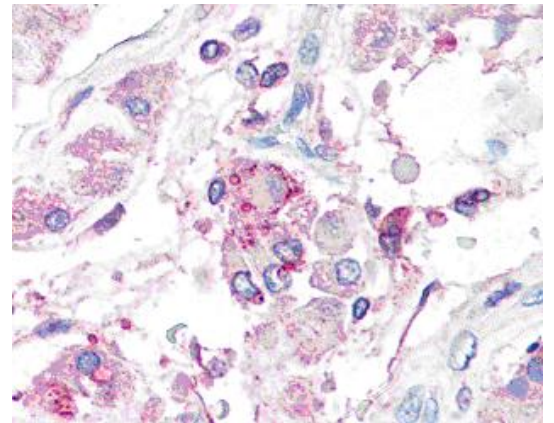
Alternate names:	ARO1, CYAR, CYP19, CYP19A1, CYPXIX, Cytochrome P450 19A1, Estrogen synthetase, P450AROM
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	Aromatase is a key enzyme in steroidogenesis and plays an important role in sexual differentiation, oestrogen biosynthesis, fertility and carcinogenesis. It is highly conserved amongst mammals, and is highly expressed in placental tissue. Many environmental chemicals may influence aromatase activity and thereby disrupt endocrine function.
Uniprot ID:	P11511
NCBI:	9606
GeneID:	1588
Host:	Rabbit
Immunogen:	Synthetic peptide surrounding amino acid 385 of Human Aromatase Genename: CYP19A1
Format:	State: Liquid purified Ig fraction Purification: Immunoaffinity Chromatography Buffer System: PBS containing 30% Glycerol, 0.5% BSA, 5mM EDTA and 0.01% Thimerosal as preservative
Applications:	Immunohistochemistry (10 µg/ml). Western blotting (0.5-4 µg/ml). A 55 kDa band can be detected, corresponding to the expected Molecular Weight of Aromatase, an additional 35 kDa band (believed to be the cleavage product of Aromatase) can also be detected in Jurkat cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Aromatase p450AROM.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse, Rat, Rabbit, Bovine, Sheep, Porcine, Equine (Horse) and Chicken.
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Reddy RC, Amodei R, Estill CT, Stormshak F, Meaker M, Roselli CE. Effect of Testosterone on Neuronal Morphology and Neuritic Growth of Fetal Lamb Hypothalamus-Preoptic Area and Cerebral Cortex in Primary Culture. PLoS One. 2015 Jun 8;10(6):e0129521. doi: 10.1371/journal.pone.0129521. eCollection 2015. PubMed PMID: 26053052.

Pictures:

Immunohistochemical staining of human placenta using Aromatase antibody AP00001PU-N showed staining of trophoblasts (Placental Villi 40X).



Immunohistochemical staining of human testis using Aromatase antibody AP00001PU-N showed staining of Leydig cells and spermatocytes in seminiferous tubules (Testis, Leydig Cells 60X).



Western blot analysis of Aromatase in Human brain cell lysate using anti-Aromatase antibody AP00001PU-N.

