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Product datasheet for AP00001PU-N

Aromatase (CYP19A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**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.
Reactivity:	Bovine, Chicken, Equine, Human, Mouse, Porcine, Rabbit, Rat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surronding amino acid 385 of Human Aromatase
Specificity:	This antibody recognizes Aromatase p450AROM.
Formulation:	PBS containing 30% Glycerol, 0.5% BSA, 5mM EDTA and 0.01% Thimerosal as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cytochrome P450 family 19 subfamily A member 1
Database Link:	Entrez Gene 1588 Human P11511
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.

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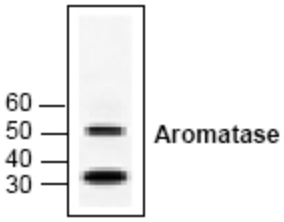
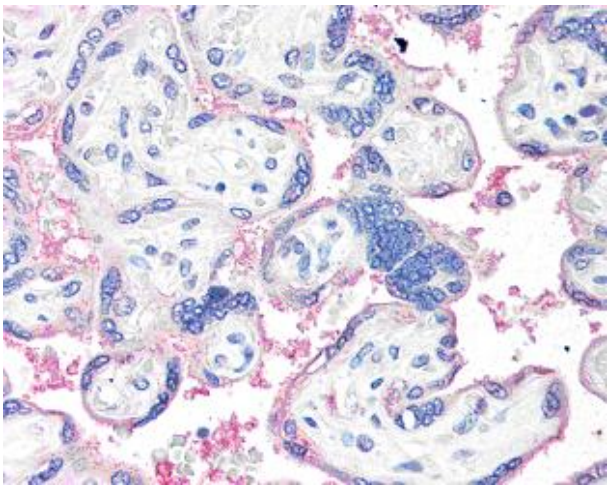
Synonyms: Cytochrome P450 19A1, CYPXIX, Estrogen synthetase, P450AROM, CYP19A1, ARO1, CYAR, CYP19

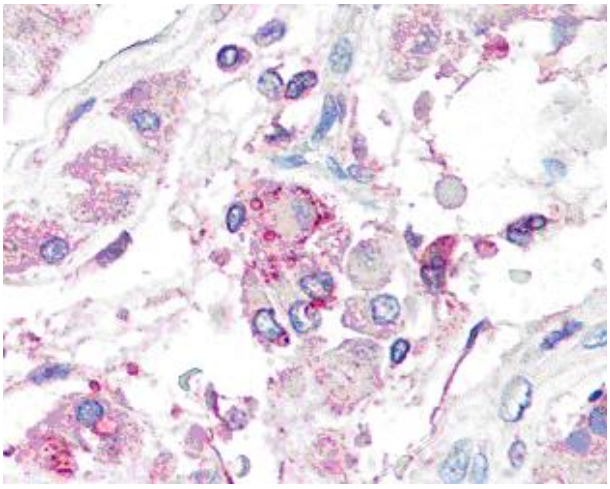
Product images:



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



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



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

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