

AP54875SU-N**Polyclonal Antibody to Aromatase - Serum****Quantity:**

0.2 ml

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:[Q92087](#)**NCBI:**[8090](#)**Host:**

Rabbit

Immunogen:

Synthetic peptide derived from C-terminal domain of P450 19A1

Format:**State:** Lyophilized serum**Preservatives:** None**Reconstitution:** Restore in distilled water.**Applications:****ELISA.****Western Blot:** 1/200-1/2000.**Immunohistochemistry:** 1/50-1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:Reacts with 58 kDa Aromatase from *Oryzias latipes* (fish).**Storage:**

Prior to reconstitution store the antibody at -20°C.

Store reconstituted antibody 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.