

## CYP19A1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IP

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IP 1:20 - 1:100

**Calculated MW:**58kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human CYP19A1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ARO; ARO1; CPV1; CYAR; CYP19; MGC104309; P-450AROM

**Background:**

CYP19A1(Cytochrome P450 19A1) is also named as ARO1(aromatase), CYAR, CYP19, estrogen synthase and belongs to the cytochrome P450 family. It is a terminal enzyme which transforms irreversibly androgens into estrogens and it is present in the endoplasmic reticulum of numerous tissues(PMID:16406261). The gene encodes a protein with the molecular weight between 46 kDa and 69 kDa(PMID:8129748) and the protein can be glycosylated, but the level of glycosylation does not seem to be essential for CYP19A1 activity(PMID:12606587). Brain aromatase may be neuroprotective by increasing the local estrogen levels in injured neurons so that genetic variation in the brain aromatase gene may modify the risk for AD(PMID:16767510). This antibody is specific to CYP19A1.

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**Catalog #:**A2161

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1588

**Isotype:**IgG

**Swiss Prot:**P11511

**Purity:**Affinity purification

For research use only.