

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

Catalog #: A2161

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1588

Isotype: IgG

Swiss Prot: P11511

Purity: Affinity purification

For research use only.

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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