

Product datasheet for **TA327305**

Aromatase (CYP19A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human CYP19A1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	cytochrome P450 family 19 subfamily A member 1
Database Link:	NP_000094 Entrez Gene 13075 Mouse Entrez Gene 25147 Rat Entrez Gene 1588 Human P11511



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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.

Synonyms:

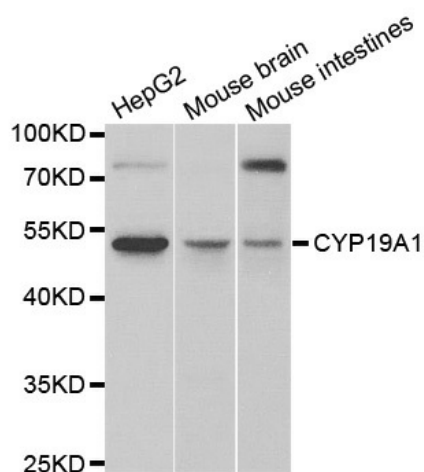
ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM

Protein Families:

Druggable Genome, P450

Protein Pathways:

Androgen and estrogen metabolism, Metabolic pathways

Product images:

Western blot analysis of extracts of various cell lines, using CYP19A1 antibody.