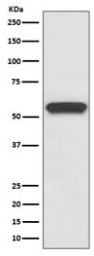
Aromatase Antibody / CYP19A1 [clone AABB-3] (RQ5368)

Catalog No.	Formulation	Size
RQ5368	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AABB-3
Purity	Affinity purified
UniProt	P11511
Applications	Western blot: 1:500-1:2000
Limitations	This Aromatase antibody is available for research use only.



Western blot testing of rat brain lysate with Aromatase antibody. Predicted molecular weight ~58 kDa.

Description

The CYP19A1 gene encodes 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. 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. Alternative promoter use and alternative splicing results in multiple transcript variants that have different tissue specificities. [RefSeq]

Application Notes

Optimal dilution of the Aromatase antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Aromatase / CYP19A1 was used as the immunogen for the Aromatase antibody.

Storage

Store the Aromatase antibody at -20oC.

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