

A2161

Leader in Biomolecular Solutions for Life Science



Aromatase (CYP19A1) Rabbit pAb

Catalog No.: A2161

12 Publications

Basic Information

Observed MW

53kDa

Calculated MW

58kDa

Category

Mouse Monoclonal Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This 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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID

1588

Swiss Prot

P11511

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 234-503 of human Aromatase (CYP19A1) (NP_000094.2).

Synonyms

ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM; Aromatase (CYP19A1)

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

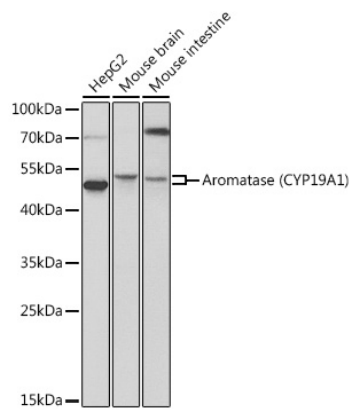
Affinity purification

Storage

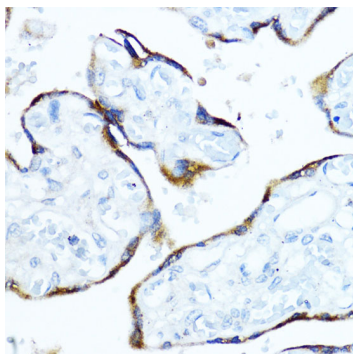
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

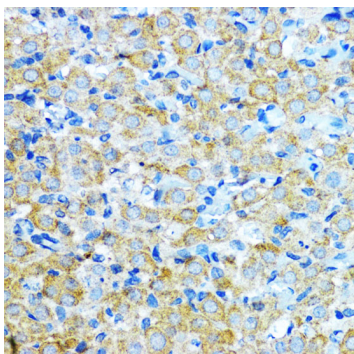
Validation Data



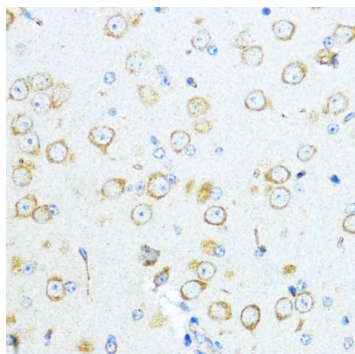
Western blot analysis of various lysates using Aromatase (CYP19A1) Rabbit pAb (A2161) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of Aromatase (CYP19A1) in paraffin-embedded human placenta using Aromatase (CYP19A1) Rabbit pAb (A2161) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Aromatase (CYP19A1) in paraffin-embedded rat ovary using Aromatase (CYP19A1) Rabbit pAb (A2161) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Aromatase (CYP19A1) in paraffin-embedded mouse brain using Aromatase (CYP19A1) Rabbit pAb (A2161) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.