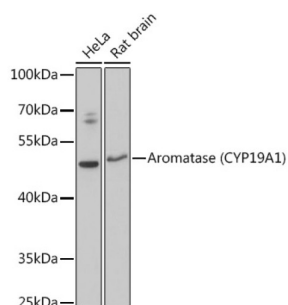
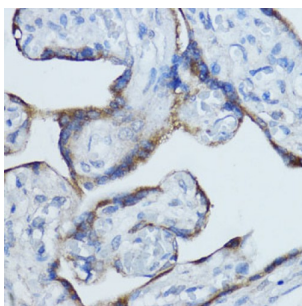


Aromatase (CYP19A1) Antibody

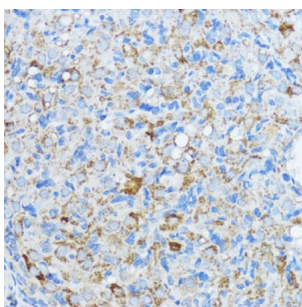
Catalogue No.: abx001773



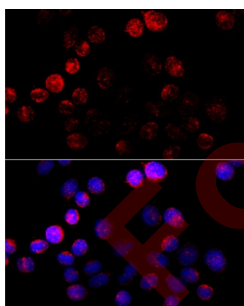
Western blot analysis of extracts of various cell lines using Aromatase (CYP19A1) Antibody (1/3000 dilution).



Immunohistochemistry of paraffin-embedded human placenta using Aromatase (CYP19A1) Antibody (1/100 dilution, 40x lens). Microwave antigen retrieval was performed in 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat ovary using Aromatase (CYP19A1) antibody (1/100 dilution, 40x lens). Microwave antigen retrieval was performed in 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of HeLa cells using Aromatase (CYP19A1) antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

CYP19A1 Antibody is a Rabbit Polyclonal antibody against CYP19A1. 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.

Datasheet

Version: 5.0.0
Revision date: 26 Jun 2025



Target:	Aromatase (CYP19A1)
Clonality:	Polyclonal
Reactivity:	Human, Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human Aromatase
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P11511 (UniProt , ExPASy)
Gene Symbol:	CYP19A1
GeneID:	1588
NCBI Accession:	NP_000094.2
KEGG:	hsa:1588
String:	9606.ENSP00000379683
Molecular Weight:	Calculated MW: 24 kDa/57 kDa Observed MW: 48 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.
Concentration:	1 mg/ml

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Note:

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only