

Product datasheet

Anti-Aromatase antibody - C-terminal ab191093

2 Images

Overview

<b>Product name</b>	Anti-Aromatase antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to Aromatase - C-terminal
<b>Host species</b>	Rabbit
<b>Specificity</b>	No cross reactivity with other proteins.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Synthetic peptide corresponding to Rat Aromatase aa 455-476 (C terminal). Sequence: LKRFHVKTLQKRCIENMPKNND  Database link: <a href="#">P22443</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Rat brain, thymus and kidney tissue lysates; Rat brain tissue.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab191093** in the following tested applications.

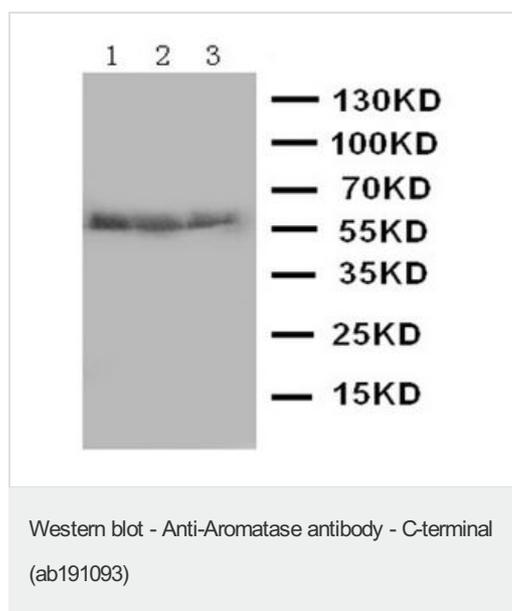
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 58 kDa.

## Target

<b>Function</b>	Catalyzes the formation of aromatic C18 estrogens from C19 androgens.
<b>Tissue specificity</b>	Brain, placenta and gonads.
<b>Involvement in disease</b>	<p>Defects in CYP19A1 are a cause of aromatase excess syndrome (AEXS) [MIM:139300]; also known as familial gynecomastia. AEXS is characterized by an estrogen excess due to an increased aromatase activity.</p> <p>Defects in CYP19A1 are the cause of aromatase deficiency (AROD) [MIM:107910]. AROD is a rare disease in which fetal androgens are not converted into estrogens due to placental aromatase deficiency. Thus, pregnant women exhibit a hirsutism, which spontaneously resolves after post-partum. At birth, female babies present with pseudohermaphroditism due to virilization of extern genital organs. In adult females, manifestations include delay of puberty, breast hypoplasia and primary amenorrhoea with multicystic ovaries.</p>
<b>Sequence similarities</b>	Belongs to the cytochrome P450 family.
<b>Cellular localization</b>	Membrane.

## Images



**All lanes :** Anti-Aromatase antibody - C-terminal (ab191093) at 0.5 µg/ml

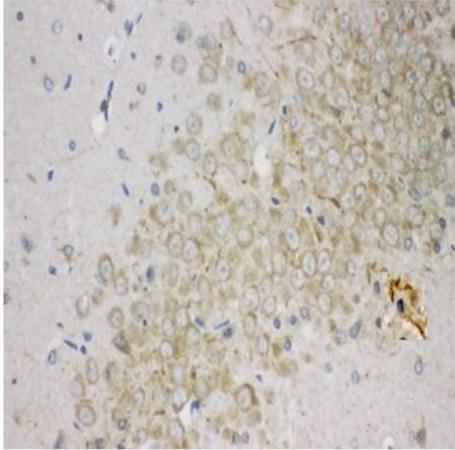
**Lane 1 :** Rat brain tissue lysates

**Lane 2 :** Rat thymus tissue lysates

**Lane 3 :** Rat kidney tissue lysates

**Predicted band size:** 58 kDa

The detection limit for ab191093 is approximately 5 ng/lane under reducing conditions.



Immunohistochemical analysis of paraffin-embedded Rat brain tissue labeling Aromatase with ab191093 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aromatase antibody - C-terminal (ab191093)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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