

Datasheet for ABIN720071

anti-CYP17A1 antibody (AA 24-65)

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Overview

Quantity:	100 µL
Target:	CYP17A1
Binding Specificity:	AA 24-65
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP17A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Cytochrome P450 17A1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CYP17A1
Alternative Name:	Cytochrome P450 17a1 (CYP17A1 Products)
Background:	Synonyms: CPT7, CYP17, S17AH, P450C17, Steroid 17-alpha-hydroxylase/17,20 lyase, 17-

Target Details

alpha-hydroxyprogesterone aldolase, CYPXVII, Cytochrome P450 17A1, Cytochrome P450-C17, Cytochrome P450c17, Steroid 17-alpha-monooxygenase, CYP17A1

Background: Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.

Gene ID: 1586

UniProt: [P05093](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [C21-Steroid Hormone Metabolic Process](#), [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

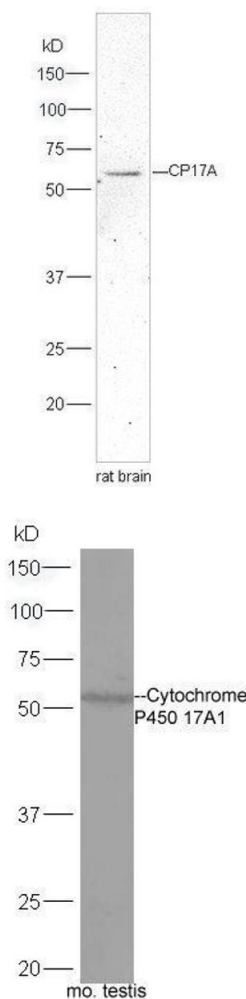
Product cited in: Han, Xie, Zhang, Zhang, Zhang, Han, Yuan, Weng: "Seasonal expression of P450c17 and 5α-

reductase-2 in the scented gland of male muskrats (*Ondatra zibethicus*). " in: **General and comparative endocrinology**, Vol. 254, pp. 60-67, (2018) ([PubMed](#)).

Zhang, Zhao, Zhang, Hao, Yu, Min, Li, Ma, Chen, Yi, Tang, Meng, Liu, Wang, Shen, Zhang: " Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable." in: **Chemosphere**, Vol. 194, pp. 147-157, (2018) ([PubMed](#)).

Wilsher, Stansfield, Greenwood, Trethowan, Anderson, Wooding, Allen: "Ovarian and placental morphology and endocrine functions in the pregnant giraffe (*Giraffa camelopardalis*). " in: **Reproduction (Cambridge, England)**, Vol. 145, Issue 6, pp. 541-54, (2013) ([PubMed](#)).

Images

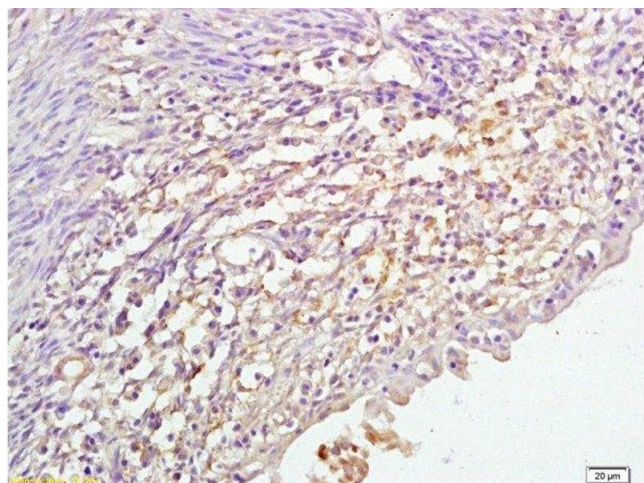


Western Blotting

Image 1. Lane 1:rat brain lysates probed with Rabbit Anti-Cytochrome P450 17A1 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.

Western Blotting

Image 2. Mouse Testis lysates probed with Rabbit Anti-Cytochrome P450 17A1 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human cervical cancer labeled with Anti P45017A1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN720071.