

Nur für Forschungszwecke

CYP17A1 Polyklonaler Antikörper

Katalog-Nr.:14447-1-AP

31 Publikationen



Allgemeine Informationen

Katalog-Nr.:
14447-1-AP

Größe:
150ul, Konzentration: 350 µg/ml von
Nanodrop und 287 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG5899

GenBank-Zugangsnummer:
BC062997

GeneID (NCBI):
1586

Vollständiger Name:
cytochrome P450, family 17,
subfamily A, polypeptide 1

Berechnete Masse:
57 kDa

Beobachtete Masse:
48-51 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000

IHC 1:100-1:400

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HeLa-Zellen, A549-Zellen, HepG2-Zellen, Jurkat-Zellen, Moushirngewebe, Rattenhirngewebe

IHC : humanes Prostatakarzinomgewebe,

IF : HepG2-Zellen,

Hintergrundinformationen

The human cytochrome P450c17 enzyme is encoded by the CYP17A1 gene. It is the qualitative regulator of steroidogenesis in the human adrenals. In its absence, aldosterone is produced in the human adrenal zona glomerulosa. The CYP17A1 gene is expressed in the adrenal cortex and the gonads but not in the placenta (PMID:19403566). Although CYP17A1 has been shown to be a 50-kDa protein, the presence of a lower molecular mass (30 kDa) immunoreactive form in rat Leydig cells was previously shown and it is either a degradation product or a truncated form of the 50 kDa enzyme (PMID:15761033). Defects in CYP17A1 are the cause of adrenal hyperplasia type 5 (AH5) and CYP17A1 is an important target for inhibition in the treatment of prostate cancer (PMID 27505042, PMID 27505042).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yanyan Zhao	36152347	Biochem Biophys Res Commun	IHC
Yan Peng	33109277	Biol Res	WB
Jun Li	36338128	Front Bioeng Biotechnol	WB,IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

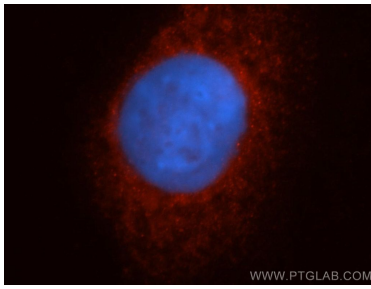
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

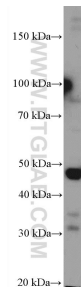
E: proteintech@ptglab.com
W: ptglab.com

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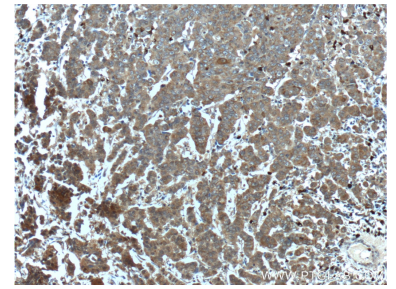
Ausgewählte Validierungsdaten



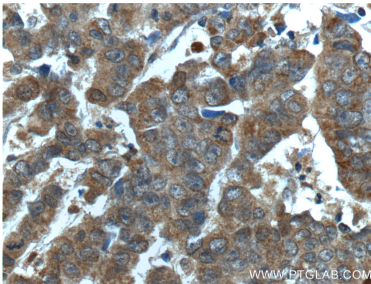
Immunofluorescent analysis of HepG2 cells, using CYP17A1 antibody 14447-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



HeLa cells were subjected to SDS PAGE followed by western blot with 14447-1-AP (CYP17A1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 14447-1-AP (CYP17A1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 14447-1-AP (CYP17A1 Antibody) at dilution of 1:200 (under 40x lens).