

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CYP19A1



Numéro de catalogue: 16554-1-AP

Phare

12 Publications

Informations de base

Numéro de catalogue:

16554-1-AP

Taille:

150ul, Concentration: 650 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG9765

Numéro d'acquisition GenBank:

BC022896

Identification du gène (NCBI):

1588

Nom complet:

cytochrome P450, family 19, subfamily A, polypeptide 1

MW calculé

20 kDa, 25 kDa, 58 kDa

MW observés:

49-55 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris, Oie

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules A2780, tissu ovarien de souris

IHC : tissu placentaire humain, tissu cérébral de rat, tissu de gliome humain, tissu de muscle squelettique humain, tissu ovarien humain, tissu pulmonaire humain, tissu rénal humain, tissu splénique humain, tissu testiculaire humain

IF : cellules HepG2,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Huidan Wang	26358501	Sci Rep	WB
Ruiming Fan	32875818	Br Poult Sci	WB
Yan Peng	33109277	Biol Res	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

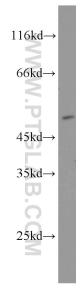
For technical support and original validation data for this product please contact:

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

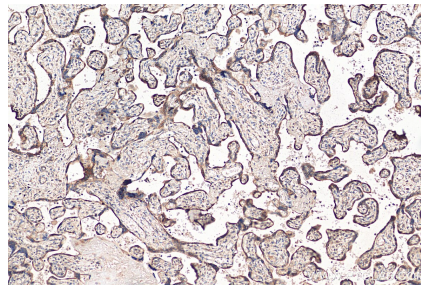
E: proteintech@ptglab.com
W: ptglab.com

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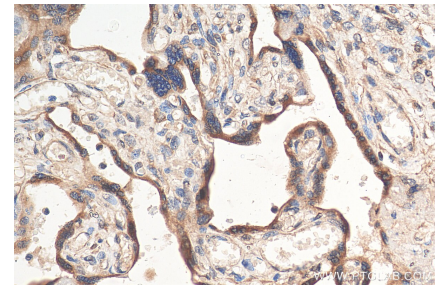
Données de validation sélectionnées



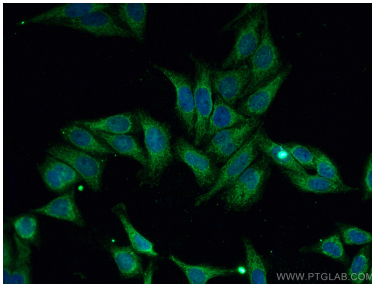
A2780 cells were subjected to SDS PAGE followed by western blot with 16554-1-AP (CYP19A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16554-1-AP (CYP19A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16554-1-AP (CYP19A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CYP19A1 antibody (16554-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).