

For Research Use Only

CYP11B2 Polyclonal antibody

Catalog Number: 20968-1-AP

3 Publications



Basic Information

Catalog Number:

20968-1-AP

Size:

150ul, Concentration: 150 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000498

GeneID (NCBI):

1585

UNIPROT ID:

P19099

Full Name:

cytochrome P450, family 11, subfamily B, polypeptide 2

Calculated MW:

58 kDa

Observed MW:

48-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : SKOV-3 cells, pig adrenal gland tissue

IHC : human adrenal gland tissue, human kidney tissue, human hepatocirrhosis tissue, human liver cancer tissue

IF/ICC : SKOV-3 cells,

Background Information

CYP11B2 (Cytochrome P450 11B2), also known as aldosterone synthase, is a member of the cytochrome P450 superfamily of enzymes. CYP11B2 can only catalyze 11-deoxycorticosterone oxidation to produce corticosterone and further hydroxylation to ALD. CYP11B2 is an enzyme required for cortisol biosynthesis and is specifically expressed in aldosterone-producing tissue of the adrenal cortex and is overexpressed in aldosterone-producing adenomas (APA).

Notable Publications

Author	Pubmed ID	Journal	Application
Tanja Paul	35332140	Nat Commun	IHC
Shu-Yun Li	32826848	Cell Death Dis	WB,IHC
Jianyi Li	37663275	PeerJ	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

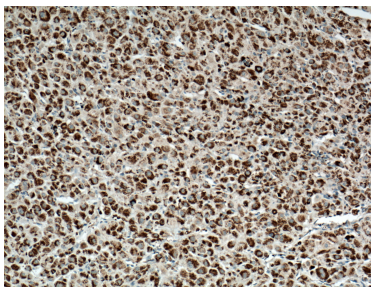
For technical support and original validation data for this product please contact:

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

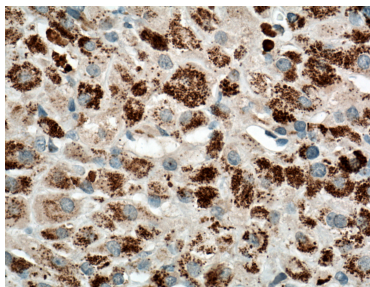
E: proteintech@ptglab.com
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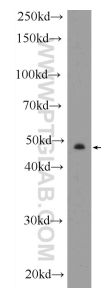
Selected Validation Data



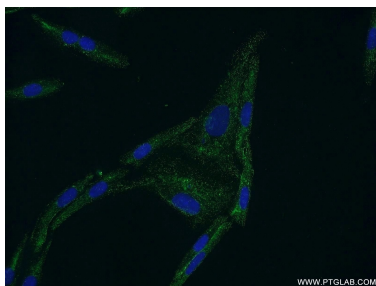
Immunohistochemical analysis of paraffin-embedded human adrenal gland tissue slide using 20968-1-AP (CYP11B2 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human adrenal gland tissue slide using 20968-1-AP (CYP11B2 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 20968-1-AP (CYP11B2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of SKOV-3 cells using 20968-1-AP (CYP11B2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).