

# Product Datasheet

## Cytochrome P450 17A1 Antibody NB100-2842

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 4

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**NB100-2842****Cytochrome P450 17A1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Cytochrome P450 17A1 Antibody (NB100-2842) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Cytochrome P450 17A1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	1586
<b>Gene Symbol</b>	CYP17A1
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-LFKDGDQKLEK corresponding to internal region according to NP_000093.1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/ml, Immunohistochemistry 3 - 5 ug/ml, Immunohistochemistry-Paraffin 3 - 5 ug/ml, Peptide ELISA Detection limit 1:64000
<b>Application Notes</b>	WB: Approx. 60 kDa band observed in human ovary lysates (calculated MW of 57.4 kDa band according to NP_000093.1). IHC-P: Human adenal gland shows strong granular staining of the cytoplasm in medulla cells.

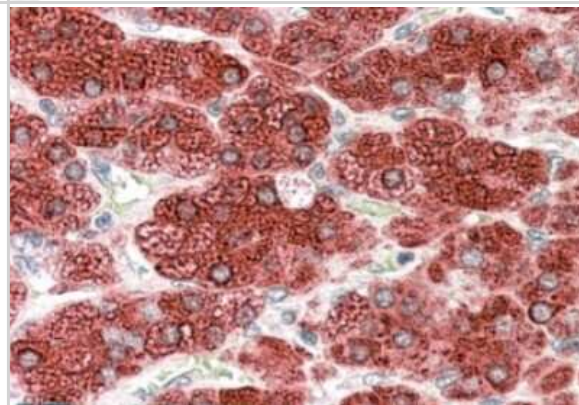


## Images

Western Blot: Cytochrome P450 17A1 Antibody [NB100-2842] - (0.3ug/ml) staining of human ovary lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

Immunohistochemistry-Paraffin: Cytochrome P450 17A1 Antibody [NB100-2842] - (3.8ug/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Wang Y, Guo B, Guo Y, Qi N et al. A spatiotemporal steroidogenic regulatory network in human fetal adrenal glands and gonads *Front Endocrinol (Lausanne)* 2022-12-05 [PMID: 36465633]

Ohnishi T, Ogawa Y, Saibara T et al. CYP17 polymorphism as a risk factor of tamoxifen-induced hepatic steatosis in breast cancer patients. *Oncol Rep* 2005-03-01 [PMID: 15706422]

Efstathiou E, Titus M, Wen S et al. Molecular Characterization of Enzalutamide-treated Bone Metastatic Castration-resistant Prostate Cancer. *Eur. Urol.* 2014-05-29 [PMID: 24882673] (IHC-P, Human)

Efstathiou E, Titus M, Tsavachidou D et al. Effects of abiraterone acetate on androgen signaling in castrate-resistant prostate cancer in bone. *J Clin Oncol* 2012-02-01 [PMID: 22184395] (IHC-P, Human)



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## Products Related to NB100-2842

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NB820-59243	Human Ovary Whole Tissue Lysate (Adult Whole Normal)
NB100-2842PEP	Cytochrome P450 17A1 Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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