

## Product Datasheet

### CYP27B1 Antibody (C-term) (orb1928132)

<b>Catalog Number</b>	orb1928132
<b>Category</b>	Antibodies
<b>Description</b>	Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	CYP27B1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Rat
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This CYP27B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 482-508 amino acids from the C-terminal region of human CYP27B1. Antigen Region: 482-508 aa.
<b>UniProt ID</b>	<b>O15528</b>
<b>MW</b>	56504 Da
<b>Tested applications</b>	FC, IHC-P, WB
<b>Dilution range</b>	WB - 1:2000, IHC-P - 1:10-50, FC - 1:25
<b>Clone Number</b>	BTD38190

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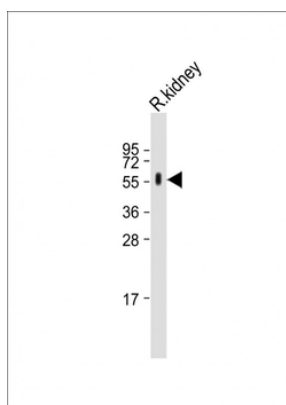
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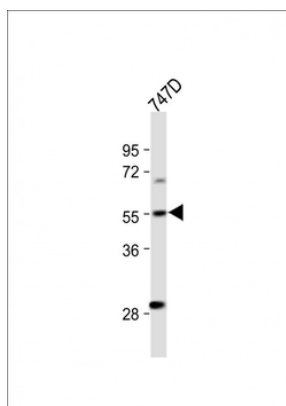
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_000776.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Anti-CYP27B1 Antibody (C-term) at 1:2000 dilution + Rat kidney whole tissue lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 57 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.



All lanes: Anti-CYP27B1 Antibody (C-term) at 1:500 dilution. Lane 1: T47D whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 57 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

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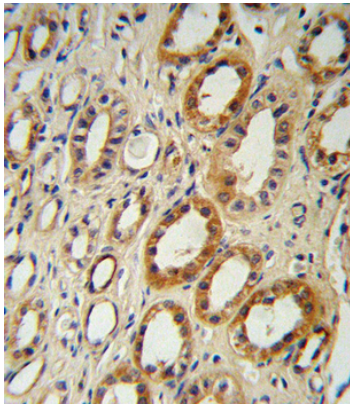
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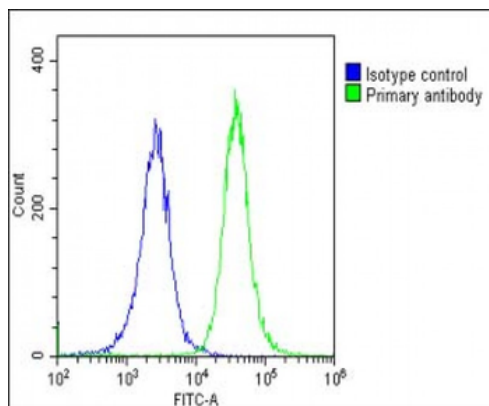
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CYP27B1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP27B1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Overlay histogram showing Hela cells stained (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of > 10000 events was performed.

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