

Product Datasheet

Anti-Cytochrome P450 27A1 Antibody (orb213835)

Description Rabbit polyclonal antibody to CYP27A1

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications IF, IH, WB

Immunogen KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human Cytochrome P450 27A1. The exact sequence is proprietary.

Target CYP27A1

Preservatives Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.01% sodium azide.

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glycerol, and 0.01% sodium azide.

Storage 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.

Note For research use only

Clonality Polyclonal

Antibody Type Primary Antibody

Source Rabbit

Uniprot ID Q02318

Entrez 1593

Dilution Range WB: 1-500-1-1000, IHC-P: 1-100-1-200, IF/ICC: 1-100-1-500

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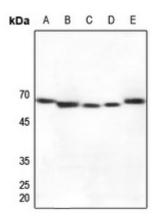
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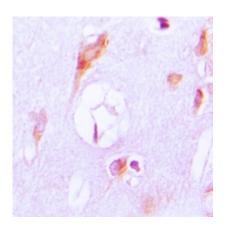


Expiration Date

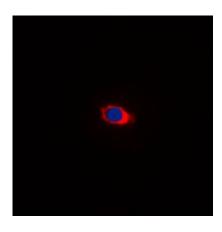
12 months from date of receipt.



Western blot analysis of Cytochrome P450 27A1 expression in Hela (A), mouse lung (B), mouse kidney (C), mouse liver (D), rat kidney (E) whole cell lysates. (Predicted band size: 60 kD; Observed band size: 60 kD)



Immunohistochemical analysis of Cytochrome P450 27A1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Cytochrome P450 27A1 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).