

CYP51A1 RABBIT PAB

Cat.#: S219491

Product Name: Anti-CYP51A1 Rabbit Polyclonal Antibody

Synonyms: LDM; CP51; CYP51; CYPL1; P450L1; P450-14DM

UNIPROT ID: Q16850 (Gene Accession - BC032322)

Background: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum protein participates in the synthesis of cholesterol by catalyzing the removal of the 14 α -methyl group from lanosterol. Homologous genes are found in all three eukaryotic phyla, fungi, plants, and animals, suggesting that this is one of the oldest cytochrome P450 genes. Two transcript variants encoding different isoforms have been found for this gene.

Immunogen: Fusion protein of human CYP51A1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

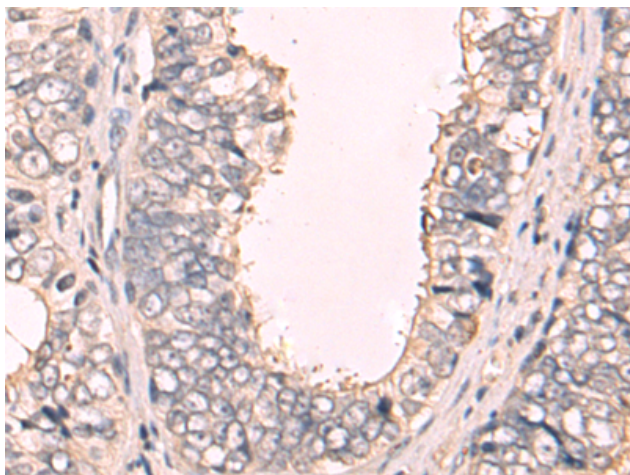
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

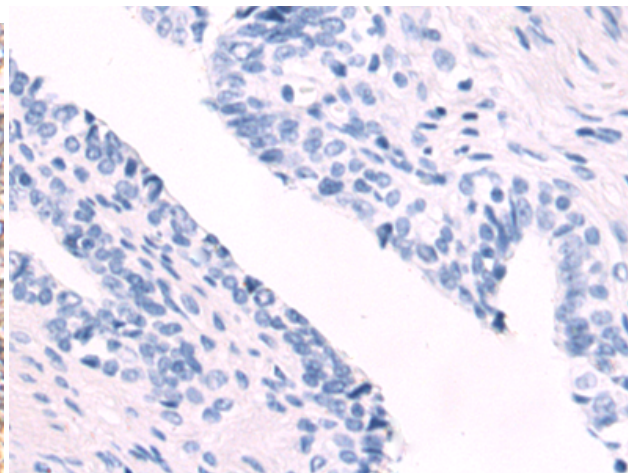
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Cardiovascular, Metabolism

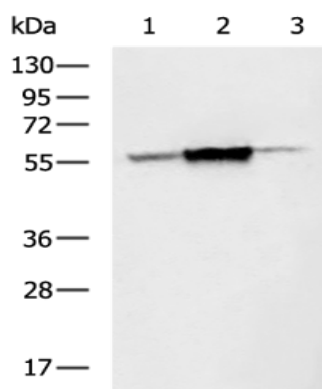
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 219491(CYP51A1 Antibody) at a dilution of 1/75(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the fusion protein and then with 219491(Anti-CYP51A1 Antibody) at dilution 1/75.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

Lane 1-3: Mouse liver tissue, Rat liver tissue, HeLa cell lysates;

Primary antibody: 219491(CYP51A1 Antibody) at dilution 1/1000;

Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;

Exposure time: 20 seconds