

Cytochrome P450 17A1 monoclonal antibody

Catalog: MB66545

Host: Mouse

Reactivity: Human

BackGround:

CYP17A1, also known as cytochrome P450C17, is a steroidogenic enzyme belonging to the P450 cytochrome superfamily of monooxygenases. In humans, CYP17A1 expression is abundantly expressed in the adrenal cortex, where it plays a central role in the androgen synthesis pathway. CYP17A1 is the primary target of abiraterone, a synthetic steroid used in the treatment of castration-resistant prostate cancer (CRPC). Abiraterone is converted to the more active form D4A, which antagonizes androgen receptor signaling by inhibiting CYP17A1 and other steroidogenic enzymes. This suppresses the synthesis of 5 α -dihydrotestosterone (DHT), which is a driver of castration-resistant prostate cancer cell growth.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P05093

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

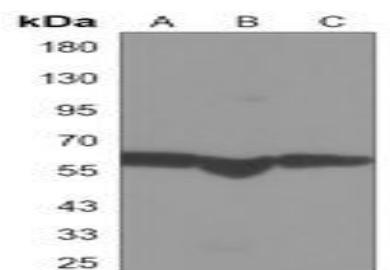
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of Cytochrome P450 17A1 protein.

DATA:



Western blot analysis of Cytochrome P450 17A1 expression in Hela (A), HepG2 (B), A549 (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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