

CYP2A7 polyclonal antibody

Catalog: BS5683

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The cytochrome P450 proteins (CYPs) are monooxygenases that catalyze reactions involved in both drug metabolism and in the synthesis of cholesterol, steroids and other lipids. P450 enzymes are classified into subfamilies, such as CYP1A and CYP2A, based on their sequence similarities. CYP2A7 (cytochrome P450 2A7), also known as CPA7, CPAD, CYP11A7 or P450-IIA4, is a 494 amino acid peripheral membrane protein that belongs to the CYP2A subfamily of cytochrome P450 proteins. Localized to the endoplasmic reticulum, CYP2A7 can be induced to high levels in liver in response to foreign compounds, such as carcinogens, pesticides and drugs. CYP2A7 functions as a hydroxylase that uses a heme group to catalyze the oxidation of target flavoproteins.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 56 kDa

Swiss-Prot:

P20853

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

ICC: 1:50~1:200

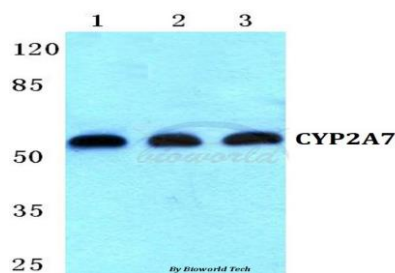
Storage&Stability:

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

Specificity:

CYP2A7 polyclonal antibody detects endogenous levels of CYP2A7 protein.

DATA:



Western blot (WB) analysis of CYP2A7 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:sp2/0 cell lysate

Lane3:PC12 cell lysate

Note:

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

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