

## 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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### 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

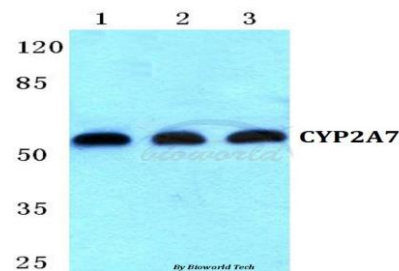
### Storage&Stability:

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.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151