

CYP3A7 polyclonal antibody

Catalog: BS5689

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytochrome P450 3A (CYP3A) genes encode monooxygenases—enzymes which catalyze drug metabolism and the synthesis of cholesterol, steroids and other lipids. CYP3A, the most abundant p450 enzyme in human liver, is responsible for the metabolism of more than 50% of all clinical drugs. CYP3A family members localize in organs that associate with drug disposition, including the liver, gastrointestinal tract and kidney. The CYP3A cluster maps to gene locus 7q21.3-q22.1 and consists of four genes (CYP3A4, CYP3A5, CYP3A7 and CYP3A43) and two pseudogenes (CYP3A5P1 and CYP3A5P2). CYP3A4 is abundant in the endoplasmic reticulum of liver cells and upper intestinal enterocytes. CYP3A4 expression is inducible by glucocorticoids pharmacological agents.

Product:

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

Molecular Weight:

~ 57 kDa

Swiss-Prot:

P24462

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

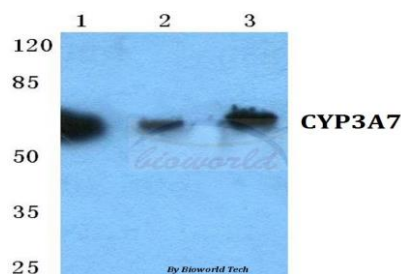
Storage&Stability:

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

Specificity:

CYP3A7 polyclonal antibody detects endogenous levels of CYP3A7 protein.

DATA:



Western blot (WB) analysis of CYP3A7 polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate

Lane2: Raw264.7 cell lysate

Lane3: PC12 cell lysate

Note:

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

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