

CYP2R1 Polyclonal Antibody

Catalog: BS65875	Host: Rabbit	Reactivity: Hu-man, Mouse, Rat, Dog, Pig, Horse, Rabbit,
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BackGround:

CYP2R1 is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are mono-oxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This enzyme is a microsomal vitamin D hydroxylase that converts vitamin D into the active ligand for the vitamin D receptor. Defects in CYP2R1 are a cause of 25-hydroxyvitamin D(3) deficiency, also known as pseudovitamin D(3) deficiency rickets due to 25-hydroxylase deficiency. First described in patients who had rickets at a young age despite a history of adequate vitamin D intake. The patients sera had low calcium concentrations, low phosphate concentrations, elevated alkaline phosphatase activity and low levels of 25-hydroxyvitamin D.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

~53kDa

Swiss-Prot:

Q6VVX0

Purification&Purity:

affinity purified by Protein A

Applications:

WB=1:500-2000

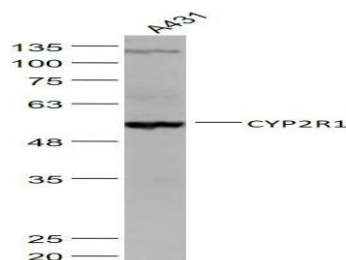
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -48 °C long term. Avoid freeze-thaw cycles.

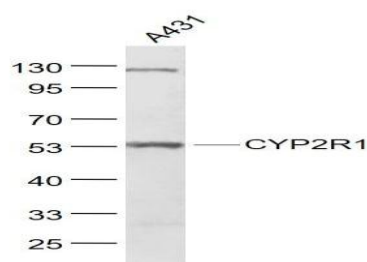
Specificity:

CYP2R1 Polyclonal Antibody detects endogenous levels of CYP2R1 protein.

DATA:



Primary: Anti-CYP2R1 at 1/1000 dilution



Primary: Anti- CYP2R1 at 1/1000 dilution

Note:

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

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