

Anti-Human CYP2C19 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA03381**

3th Edition

Description: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, omeprazole, diazepam and some barbiturates. Polymorphism within this gene is associated with variable ability to metabolize mephenytoin, known as the poor metabolizer and extensive metabolizer phenotypes. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. CYP2C19 (Cytochrome P450 Family 2 Subfamily C Member 19) is a Protein Coding gene. Diseases associated with CYP2C19 include Mephenytoin Poor Metabolizer and Cyp2c19-Related Altered Drug Metabolism. Among its related pathways are Cytochrome P450 - arranged by substrate type and Paroxetine Pathway, Pharmacokinetics. GO annotations related to this gene include enzyme binding and iron ion binding. An important paralog of this gene is CYP2C9.

Antigen: Synthesized peptide derived from the Internal region of human CYP2C19

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: