

Anti-Human CYP4F2 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03423

3th Edition

Description:CYP4F2 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. The enzyme starts the process of inactivating and degrading leukotriene B₄, a potent mediator of inflammation. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F11, is approximately 16 kb away. CYP4F2 (Cytochrome P450 Family 4 Subfamily F Member 2) is a Protein Coding gene. Diseases associated with CYP4F2 include Cyp4f2-Related Altered Drug Metabolism and Vitamin K Antagonists Toxicity Or Dose Selection. Among its related pathways are Cytochrome P450 - arranged by substrate type and Arachidonic acid metabolism. GO annotations related to this gene include iron ion binding and oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen. An important paralog of this gene is CYP4F3.

Antigen:Synthesized peptide derived from the N-terminal region of human CYP4F2

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:Liver. Also present in kidney: specifically expressed in the S2 and S3 segments of proximal tubules in cortex and outer medulla (PubMed:10660572).