

bs-14160R**[Primary Antibody]****CYP4F3 Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500)
Clonality: Polyclonal		
GeneID: 4051		
Target: CYP4F3		
Immunogen: KLH conjugated synthetic peptide derived from human CYP4F3: 51-150/520.		
Purification: affinity purified by Protein A		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Predicted MW.: 60 kDa
Background: This gene, CYP4F3, 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, CYP4F8, is approximately 18 kb away. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]		Subcellular Location: Cytoplasm

— SELECTED CITATIONS —

- **[IF=5.738]** Jie Wen. et al. OIT3 serves as a novel biomarker of hepatocellular carcinoma by mediating ferroptosis <i>via</i> regulating the arachidonic acid metabolism.. FRONT ONCOL. 2022 Sep;12:977348-977348 WB ;Human. 36132142
- **[IF=4.6]** Tang Xiao-Li. et al. Establishment of a neutrophil extracellular trap-related prognostic signature for colorectal cancer liver metastasis and expression validation of CYP4F3. CLIN EXP MED. 2024 Dec;24(1):1-16 IHC ;Human. 38795162
- **[IF=4.5]** Ziyang Xu. et al. Cytochrome P450 F3 promotes colorectal cancer via inhibiting NRF2-mediated ferroptosis. TRANSL ONCOL. 2024 Oct;48:102077 IHC, WB, IF ;Mouse, Human. 39106550