

**CYP4F8 polyclonal antibody**

Catalog: BS32853

Host: Rabbit

Reactivity: Human

BackGround:

Cytochrome P450 4F8: A cytochrome P450 monooxygenase involved in the metabolism of endogenous polyunsaturated fatty acids (PUFAs) and their oxygenated derivatives (oxylipins). Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase). Catalyzes the hydroxylation of carbon hydrogen bonds, with preference for omega-1 and omega-2 positions. Hydroxylates (5Z,8Z,11Z,14Z)-eicosatetraenoic acid (arachidonate) predominantly at omega-2 position to form (18R)-hydroxyeicosatetraenoic acid (18R-HETE). Exhibits omega-1 hydroxylase activity toward prostaglandin (PG) H1, PGH2 and PGI2. Catalyzes the epoxidation of double bonds of PUFAs, including docosahexaenoic and docosapentaenoic acids. Shows little activity against PGD2, PGE1, PGE2, PGF...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~60.0 kDa

Swiss-Prot:

P98187

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

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:

Recognizes endogenous levels of CYP4F8 protein

DATA:

Western blot analysis of MYO1B expression in HEK293T (A), H1792 (B), HCT116 (C), mouse liver (D) whole cell lysates.

Immunohistochemical analysis of MYO1B staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).

Note:

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

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