FMO5 Rabbit pAb

Catalog No	YP-Ab-18828
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	FMO5
Protein Name	Dimethylaniline monooxygenase [N-oxide-forming] 5 (Dimethylaniline oxidase 5) (Hepatic flavin-containing monooxygenase 5) (FMO 5)
Immunogen	Synthesized peptide derived from human FMO5
Specificity	This antibody detects endogenous levels of FMO5 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Calculated Molecular Weight	59kD
Cell Pathway	Microsome membrane . Endoplasmic reticulum membrane.
Tissue Specificity	Expressed in fetal and adult liver.
Function	Acts as Baeyer-Villiger monooxygenase on a broad range of substrates. Catalyzes the insertion of an oxygen atom into a carbon-carbon bond adjacent to a carbonyl, which converts ketones to esters . Active on diverse carbonyl compounds, whereas soft nucleophiles are mostly non- or poorly reactive . In contrast with other forms of FMO it is non- or poorly active on 'classical' substrates such as drugs, pesticides, and dietary components containing soft nucleophilic heteroatoms (Probable) . Able to oxidize drug molecules bearing a carbonyl group on an aliphatic chain, such as nabumetone and pentoxifylline . Also, in the absence of substrates, shows slow but yet significant NADPH oxidase activity . Acts as a positive modulator of cholesterol biosynthesis as well as glucose homeostasis, promoting metabolic aging via pleiotropic effects (By similarity).

Background

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Mouse spleen tissue was stained with anti-Myeloperoxidase (PTR2562) Antibody