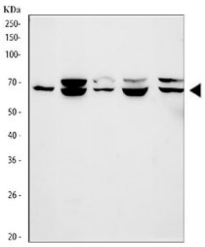
FMO1 Antibody / Flavin-containing monooxygenase 1 (R32180)

Catalog No.	Formulation	Size
R32180	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q01740
Applications	Western Blot : 0.5-1ug/ml
Limitations	This FMO1 antibody is available for research use only.



Western blot testing of 1) human HCCT, 2) human HepG2, 3) human HUH7, 4) rat liver and 5) mouse liver tissue lysate with FMO1 antibody. Predicted molecular weight ~60 kDa.

Description

Metabolic N-oxidation of the diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man resulting in a small subpopulation with reduced TMA N-oxidation capacity resulting in fish odor syndrome Trimethylaminuria. Three forms of the enzyme, FMO1 found in fetal liver, FMO2 found in adult liver, and FMO3 are encoded by genes clustered in the 1q23-q25 region. Flavin-containing monooxygenases are NADPH-dependent flavoenzymes that catalyzes the oxidation of soft nucleophilic heteroatom centers in drugs, pesticides, and xenobiotics. Several transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the FMO1 antibody should be determined by the researcher.

Immunogen

Amino acids AFPFLDESVVKVEDGQASLYKYIFPAHLQK of human FMO1 were used as the immunogen for the FMO1 antibody.

Storage

After reconstitution, the FMO1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.