

FMO1 Recombinant antibody

Catalog Number: 83156-3-RR

Basic Information

Catalog Number:

83156-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34267

GenBank Accession Number:

NM_001282692

GeneID (NCBI):

2326

UNIPROT ID:

Q01740

Full Name:

flavin containing monooxygenase 1

Calculated MW:

60 kDa

Observed MW:

53-60 kDa

Purification Method:

Protein A purification

CloneNo.:

230455B11

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse, Rat

Positive Controls:

WB : human kidney tissue, mouse liver tissue, rat liver tissue

Background Information

Flavin-containing monooxygenase 1 (FMO1) belongs to the FMO family. FMO1 is an enzyme that catalyzes the oxygenation of a series of sulfur-containing and nitrogen-containing substrates, and thus is involved in a series of drugs and xenobiotics metabolism. FMO1 can regulate PPAR- α and mediate metabolic processes. FMO1 is expressed at relatively high levels in human fetal liver and also represents the major FMO enzyme in the adult human and rabbit intestine and kidney (PMID: 11809920, 30757917, 37553313). Human FMO1 has 2 isoforms with the molecular weights of 53 and 60 kDa. The observed molecular weight of FMO1 is 53 kDa, which might be the unmodified form of FMO1 (PMID: 9778310).

Storage

Storage:

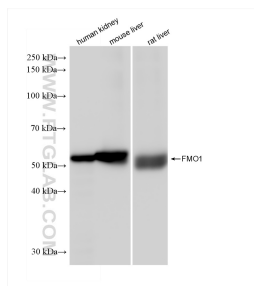
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83156-3-RR (FMO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.