

CoraLite® Plus 750-conjugated FMO1 Recombinant antibody

Catalog Number: **CL750-83156-3**

Basic Information

Catalog Number: CL750-83156-3	GenBank Accession Number: NM_001282692	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2326	CloneNo.: 230455B11
Source: Rabbit	UNIPROT ID: Q01740	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: flavin containing monooxygenase 1	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Immunogen Catalog Number: AG34267	Calculated MW: 60 kDa	
	Observed MW: 53-60 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : mouse liver tissue, human liver tissue
Species Specificity: Human, Mouse, Rat	

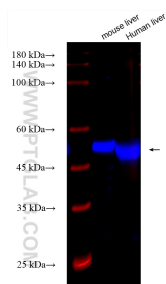
Background Information

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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, 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 CL750-83156-3 (FMO1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.