FMO3 Rabbit pAb

CatalogNo: YT5453

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse,

Applications
- WB,IHC,IF,ELISA

MW
- 58kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC: 1:100-1:300
ELISA 1:20000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human FMO3. AA range:101-150
Specificity	FMO3 Polyclonal Antibody detects endogenous levels of FMO3 protein.

Target Information

Gene name FMO3

Protein Name Dimethylaniline monooxygenase [N-oxide-forming] 3

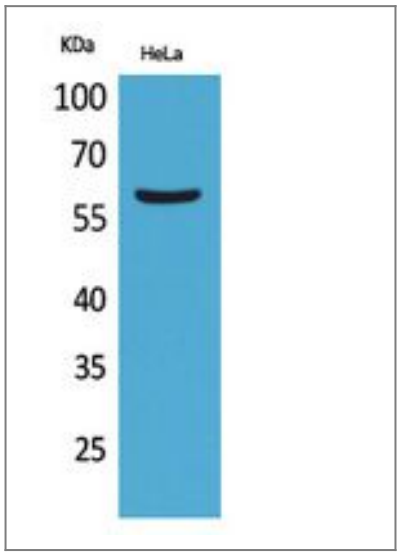
Organism	Gene ID	UniProt ID
Human	2328;	P31513;
Mouse		P97501;

Cellular Localization Microsome membrane ; Single-pass membrane protein . Endoplasmic reticulum membrane ; Single-pass membrane protein .

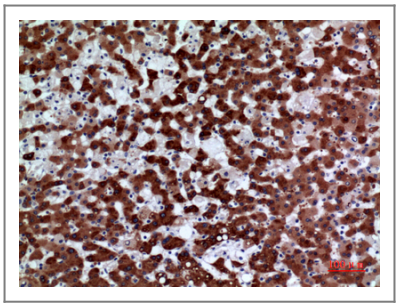
Tissue specificity Liver.

Function Catalytic activity:N,N-dimethylaniline + NADPH + O(2) = N,N-dimethylaniline N-oxide + NADP(+) + H(2)O.,cofactor:FAD.,Disease:Defects in FMO3 are the cause of trimethylaminuria (TMAU) [MIM:602079]; also known as fish-odor syndrome. TMAU is an inborn error of metabolism associated with an offensive body odor and caused by deficiency of FMO-mediated N-oxidation of amino-trimethylamine (TMA) derived from foodstuffs. Such individuals excrete relatively large amounts of TMA in their urine, sweat, and breath, and exhibit a fishy body odor characteristic of the malodorous free amine.,Function:Involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides. It N-oxygenates primary aliphatic alkylamines as well as secondary and tertiary amines. Plays an important role in the metabolism of trimethylamine (TMA), via the production of TMA N-oxide (TMAO). Is also able to perform S-oxidation when acting on sulfide compounds.,similarity:Belongs to the FMO family.,tissue specificity:Liver.,

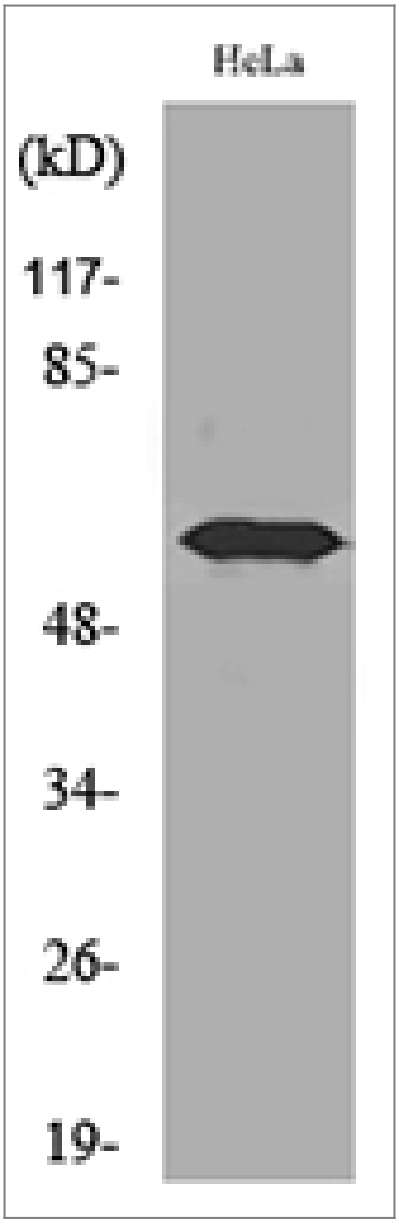
Validation Data



Western Blot analysis of HeLa cells using FMO3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Western blot analysis of lysate from HeLa cells, using FMO3 Antibody.

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
FMO3 Rabbit pAb