Datasheet for ABIN3042656

anti-FMO5 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	FMO5
Binding Specificity:	AA 77-90, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMO5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-FMO5 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human FMO5, different from the related rat sequence by one amino acid, and different from the related mouse sequence by two amino acids.
Sequence:	DHYPNFMHNA QVLE
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-FMO5 Antibody (ABIN3042656). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched

Product Details

	performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	FMO5
Alternative Name:	FMO5 (FMO5 Products)
Background:	Synonyms: Dimethylaniline monooxygenase [N-oxide-forming] 5,1.14.13.8,Dimethylaniline oxidase 5,Hepatic flavin-containing monooxygenase 5,FMO 5,FMO5, Tissue Specificity: Expressed in fetal and adult liver. Background: Dimethylaniline monooxygenase[N-oxide-forming] 5 also known as FMO 5 is an enzyme that in humans is encoded by the FMO5 gene. By fluorescence in situ hybridization, this gene was assigned to human chromosome 1q21.1. FMO5 is not an efficient drug-metabolizing enzyme and that it may have an alternative physiologic role. FMO5 transcripts play an important role in progesterone-regulated in breast cancer cells specifically under the control of the progesterone receptor B-isoform. Sequence Similarities: Belongs to the FMO family.
Molecular Weight:	60 kDa
UniProt:	P49326

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human 1. Gelb, B. D., Zhang, J., Cotter, P. D., Gershin, I. F., Desnick, R. J. Physical mapping of the human connexin 40 (GJA5), flavin-containing monooxygenase 5, and natriuretic peptide receptor A genes on 1q21. Genomics 39: 409-411, 1997. 2. Miller, M. M., James, R. A., Richer, J. K., Gordon, D. F., Wood, W. M., Horwitz, K. B.Progesterone regulated expression of flavin-containing monooxygenase 5 by the B-isoform of progesterone receptors: implications for tamoxifen carcinogenicity. J. Clin. Endocr. Metab. 82: 2956-2961, 1997. 3. Overby, L. H., Buckpitt, A. R., Lawton, M. P., Atta-Asafo-Adjei, E., Schulze, J., Philpot, R. M. Characterization of flavin-containing monooxygenase 5(FMO5) cloned from human and guinea pig: evidence that the unique catalytic properties of FMO5 are not confined to the rabbit ortholog. Arch. Biochem. Biophys. 317: 275-284, 1995.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

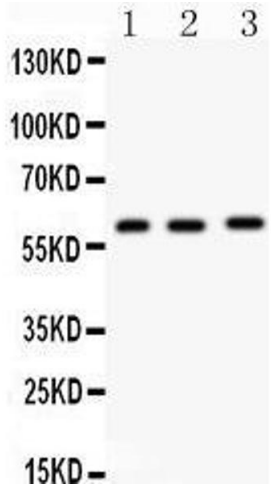
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-FMO5 antibody, Western blotting All lanes: Anti FMO5 at 0.5ug/ml Lane 1: Mouse Liver Tissue Lysate at 50ug Lane 2: Mouse Testis Tissue Lysate at 50ug Lane 3: Mouse Spleen Tissue Lysate at 50ug Predicted bind size: 60KD Observed bind size: 60KD