bs-16099R **[Primary Antibody]**

FMO4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2329 **SWISS:** P31512

Target: FMO4

Immunogen: KLH conjugated synthetic peptide derived from human FMO4: 51-150/558.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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. [provided by RefSeq, Sep 2013]

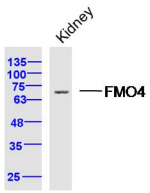
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Sheep, Cow, Dog, Horse)

Predicted MW.: 63 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti-FMO4 (bs-16099R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 66 kD