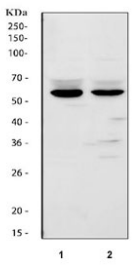
FMO2 Antibody / Flavin-containing monooxygenase 2 (R32311)

Catalog No.	Formulation	Size
R32311	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99518
Applications	Western blot: 0.5-1ug/ml
Limitations	This FMO2 antibody is available for research use only.



Western blot testing of 1) rat lung and 2) mouse lung tissue lysate with FMO2 antibody. Predicted molecular weight ~54 kDa.

Description

Dimethylaniline monooxygenase [N-oxide-forming] 2 is an enzyme that in humans is encoded by the FMO2 gene (flavin containing monooxygenase 2). It is an NADPH-dependent enzyme that catalyzes the N-oxidation of some primary alkylamines through an N-hydroxylamine intermediate. However, some human populations contain an allele (FMO2*2A) with a premature stop codon, resulting in a protein that is C-terminally-truncated, has no catalytic activity, and is likely degraded rapidly. This gene is found in a cluster with other related family members on chromosome 1. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the FMO2 antibody should be determined by the researcher.

Immunogen

Amino acids FPNFLHNSKLLEYFRIFAKKFDLLKYIQFQTTVLSVRK of human FMO2 were used as the immunogen for the FMO2 antibody.

Storage

After reconstitution, the FMO2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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