ARG58755
anti-FMO5 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FMO5
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Rb
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FMO5
Species	Human
Immunogen	Synthetic peptide around the middle region of Human FMO5. (within the following sequence: NKYLEKKINQRFDHEMFGLKPKHRALSQHPTLNDDLPNRIISGLVKVKGN)
Conjugation	Un-conjugated
Alternate Names	Dimethylaniline monooxygenase [N-oxide-forming] 5; FMO 5; Hepatic flavin-containing monooxygenase 5; EC 1.14.13.8; Dimethylaniline oxidase 5

Application Instructions

Predict Reactivity Note	Predicted homology based on immunogen sequence: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%

Application table

Application	Dilution
IHC-P	1:600
WB	0.2 - 1 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HeLa

Properties

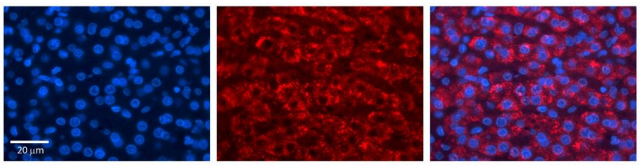
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

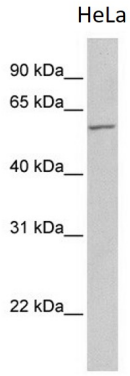
Gene Symbol	FMO5
Gene Full Name	flavin containing monooxygenase 5
Background	Metabolic N-oxidation of the diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man resulting in a small subpopulation with reduced TMA 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]
Function	In contrast with other forms of FMO it does not seem to be a drug-metabolizing enzyme. [UniProt]
Calculated Mw	60 kDa

Images



ARG58755 anti-FMO5 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human liver stained with ARG58755 anti-FMO5 antibody at 1:600 dilution. Magnification: 20X.



ARG58755 anti-FMO5 antibody WB image

Western blot: HeLa cell lysate stained with ARG58755 anti-FMO5 antibody at 0.2 - 1 µg/ml dilution.